UNIVERSITY
OF FLORIDA
LIBRARY

University Archives
George A. Smathers Libraries
University of Florida

University of Florida

GAINESVILLE, FLORIDA

Catalog 1922-23

Announcements 1923-24

F378
FHu

CONTENTS

	Page
UNIVERSITY CALENDAR	3
ADMINISTRATIVE AND EXECUTIVE BOARDS	4
OFFICERS OF THE UNIVERSITY	5
STANDING COMMITTEES OF THE FACULTY	15
GENERAL INFORMATION	17
Recent Gifts	17
History	18
Location	20
Income	21
Equipment	21
Government	30
Honors	36
Expenses	37
Fellowships, Scholarships, and Loan Funds	40
Alumni Association	42
Student Organizations and Publications	42
Admission	44
ORGANIZATION	50
GRADUATE SCHOOL	51
COLLEGE OF ARTS AND SCIENCES	53
School of Pharmacy	84
COLLEGE OF AGRICULTURE	92
College	92
Experiment Station	118
Agricultural Extension Division	120
COLLEGE OF ENGINEERING	129
COLLEGE OF LAW	147
TEACHERS COLLEGE AND NORMAL SCHOOL	160
College	162
Normal School	175
Spring Session of Summer School	179
University Summer School	181
High School Visitation	183
Teachers' Employment Bureau	183
DIVISION OF HYGIENE	185
DIVISION OF ATHLETICS AND PHYSICAL EDUCATION	187
DIVISION OF MILITARY SCIENCE AND TACTICS	192
DIVISION OF REHABILITATION	197
GENERAL EXTENSON DIVISION	199
REGISTER	203
Degrees and Certificates	203
Roll of Students	207
Summary	244
INDEX	247

UNIVERSITY OF FLORIDA

1923-1924

1923—	June 13, *Wednesday*	Summer School begins.
	August 6, *Monday*	Farmers' Week begins.
	August 8, *Wednesday*	Summer School Commencement Exercises.
	September 10, *Monday*	Summer Recess ends. Examinations for Admission. Registration of Students. First Semester begins.
	September 17, *Monday*	School for Demonstration and County Agents begins.
	October 6, *Saturday, 2:00 p. m.*	Re-examinations.
	2:30 p. m.	Meeting of General Faculty.
	November 11, *Sunday*	Armistice Day.
	November 29, *Thursday*	Thanksgiving Day.
	December 20, *Thursday, 12:00 noon*	Christmas Recess begins.
1924—	January 2, *Wednesday*	Christmas Recess ends.
	January 3, *Thursday, 8:00 a. m.*	Resumption of Classes.
	January 26, *Saturday*	First Semester ends.
	January 28, *Monday*	Second Semester begins.
	February 9, *Saturday, 2:30 p. m.*	Meeting of General Faculty.
	March 1, *Saturday, 2:00 p. m.*	Re-examinations.
	March 31, *Monday*	Spring Session Summer School begins.
	May 24, *Saturday, 2:30 p. m.*	Meeting of General Faculty.
	May 25 to 27	Commencement Exercises.
	May 25, *Sunday, 11:00 a. m.*	Baccalaureate Sermon.
	May 26, *Monday*	Annual Alumni Meeting. Class-Day Exercises. Oratorical Contests.
	May 27, *Tuesday, 10:00 a. m.*	Graduating Day. Summer Recess begins.
	May 26, *Monday*	Boys' Club Week begins.
	June 11, *Wednesday*	Summer School begins.

849

36166

BOARD OF CONTROL

P. K. YONGE, *Chairman*..Manager, Southern States Lumber Co., Pensacola
E. L. WARTMANN.....Planter and Stock Raiser, Citra
JOHN B. SUTTON.....Attorney-at-Law, Tampa
J. C. COOPER, JR.....Attorney-at-Law, Jacksonville
W. L. WEAVER.....State Senator, Cashier First National Bank, Perry
J. T. DIAMOND, *Secretary to the Board*

STATE BOARD OF EDUCATION

CARY A. HARDEE, *Chairman*.....*Governor*
H. CLAY CRAWFORD.....*Secretary of State*
J. C. LUNING.....*State Treasurer*
RIVERS H. BUFORD.....*Attorney-General*
W. S. CAWTHON, *Secretary*.....*State Superintendent of Public Instruction*

UNIVERSITY COUNCIL

ALBERT A. MURPHREE, LL.D.....*President of the University*
JAS. M. FARR, PH.D.....*Vice-President of the University*
JAS. N. ANDERSON, PH.D.....*Dean of the College of Arts and Sciences*
WILMON NEWELL, D.SC.....*Dean of the College of Agriculture*
J. R. BENTON, PH.D.....*Dean of the College of Engineering*
HARRY R. TRUSLER, LL.B.....*Dean of the College of Law*
JAS. W. NORMAN, PH.D.....*Dean of the Teachers College*

SUMMER SCHOOL BOARD

W. S. CAWTHON, A.M.....*State Superintendent of Public Instruction*
A. A. MURPHREE, LL.D.....*President University of Florida*
EDWARD CONRADI, PH.D.....*President State College for Women*

OFFICERS OF THE UNIVERSITY

ALBERT ALEXANDER MURPHREE, A.M., LL.D.,*
President.

JAMES MARION FARR, A.M., PH.D. (Johns Hopkins),
Professor of English Language and Literature.

JOHN ROBERT BENTON, B.A., PH.D. (Göttingen),
Professor of Physics and Electrical Engineering.

JAMES NESBITT ANDERSON, M.A., PH.D. (Johns Hopkins),
Professor of Ancient Languages.

CHARLES LANGLEY CROW, M.A., PH.D. (Göttingen),
Professor of Modern Languages and Secretary of the General Faculty.

WILBUR LEONIDAS FLOYD, B.S., M.S.,
Assistant Dean of the College of Agriculture and Professor of Botany and Horticulture.

JOHN MARCUS SCOTT, B.S.,
Vice-Director and Animal Industrialist to the Experiment Station.

HARRY RAYMOND TRUSLER, A.M., LL.B. (Michigan),
Professor of Law.

JOSEPH RALPH WATSON, A. M.,
Entomologist to the Experiment Station.

CLAUDE HOUSTON WILLOUGHBY, B.Agr.,
Professor of Animal Husbandry and Dairying.

CLIFFORD WALDORF CRANDALL, B.S., LL.B. (Michigan),
Professor of Law.

LUDWIG WILLIAM BUCHHOLZ, A.M.,
Professor of Education and School Management and Counsellor for the School of Disabled Soldiers.

ARTHUR PERCEVAL SPENCER, M.S.,
Vice-Director of the Agricultural Extension Division.

JOHN EDWIN TURLINGTON, B.Agr., M.S., PH.D. (Cornell),
Professor of Agronomy.

---

*Also Summer School, 1922.

Note.—Officers of the University for regular session are arranged in order of seniority.

JAMES MADISON CHAPMAN, D.O.,*
Professor of Expression and Public Speaking.

JAMES WILLIAM NORMAN, A.M., PH.D. (Columbia),*
Professor of Education.

JOSEPH RICHARD FULK, A.M., PH.D. (Nebraska),
Professor of Education.

THOMAS MARSHALL SIMPSON, M.A., PH.D. (Wisconsin),*
Professor of Mathematics.

ALBERT J. STRONG,
Acting Professor of Drawing and Mechanic Arts.

FRAZIER ROGERS, B.S.A.
Professor of Agricultural Engineering.

NATHAN W. SANBORN, M.D.,
Professor of Poultry Husbandry and Extension Poultryman for the Agricultural Extension Division.

ROBERT SPRATT COCKRELL, M.A., LL.B. (Virginia),
Professor of Law.

JAMES MILLER LEAKE, A.B., PH.D. (Johns Hopkins),*
Professor of History and Political Science.

ARTHUR LISTON SHEALY, B.S., D.V.M. (McKillips),
Professor of Veterinary Science.

PERCY LAWRENCE REED, C.E., M.S.,
Professor of Civil Engineering.

TOWNES RANDOLPH LEIGH, A.M., PH.D. (Chicago),*
Professor of Chemistry.

LUCIUS MOODY BRISTOL, PH.D. (Harvard),*
Professor of Sociology and Economics.

JOSEPH ROEMER, A.M., PH.D. (Peabody),*
Professor of Secondary Education.

ALBERT WHITMAN SWEET, M.A., PH.D. (Brown),*
Director of the Department of Health and Hygiene.

BERT CLAIR RILEY, A.B., B.S.A.,
Director of General Extension Division.

WILMON NEWELL, M.S., D.SC. (Iowa),
Director of the Experiment Station and Agricultural Extension Division.

RUDOLPH W. RUPRECHT, PH.D. (Amherst),
Chemist to the Experiment Station.

---

*Also Summer School, 1922.

OWEN FRANCIS BURGER, M.S., D.Sc. (Harvard),
Plant Pathologist to the Experiment Station.

WILLIAM GORDON KLINE, A.B., LL.B. (Nebraska),
Professor of Law and Director of Major Sports.

RAYMOND GEORGE MANCHESTER, A.B., D.O.,*
Professor of Physical Education.

HASSE OCTAVIUS ENWALL, S.T.B., PH.D. (Boston),*
Professor of Philosophy and Psychology.

JAMES W. DAY, B.S.A., B.S. ED., M.A.,*
Professor of Agricultural Education.

LEON SHERMAN GREENE, M.S.,
Professor of Industrial Education

MELVIN PRICE, E.E., A.M.,
Professor of Mechanical Engineering.

CAPTAIN JAMES A. VAN FLEET, Infantry, United States Army,
Commandant of Cadets and Professor of Military Science and Tactics.

J. SPEED ROGERS, A.B., M.A.,
Professor of Biology and Geology.

RICHMOND AUSTIN RASCO, A.M., LL.B.,
Professor of Law.

WILLIAM SANFORD PERRY, A.B., M.S.,*
Assistant Professor of Physics and Electrical Engineering.

EARL CLIFTON BECK, A.M.,*†
Assistant Professor of English Language and Literature.

ALVIN PERCY BLACK, A.B.,*
Assistant Professor of Chemical Engineering.

MADISON DERRELL CODY, M.A.,*
Assistant Professor of Botany and Bacteriology.

WILLIAM BYRON HATHAWAY, B.D., M.A.,*
Assistant Professor of Spanish and English.

ALEXANDER BRESTH, B.S.,
Assistant Professor of Civil Engineering.

EDWARD WALKER JENKINS, B. Ped.,
District Agent for the Agricultural Extension Service.

---

*Also Summer School, 1922.
†On leave of absence 1922-1923.

RAYMOND W. BLACKLOCK, A.B.,
State Agent for Boys' Clubs.

HAROLD GRAY CLAYTON, M.S.A.,
District Agent for the Agricultural Extension Service.

STEPHEN W. HIATT,
District Agent for the Agricultural Extension Service.

ADOLPH HARVEY BEYER, A.B., B.S., M.S.,
Assistant Entomologist to the Experiment Station.

CAPTAIN JOHN H. ATKINSON, United States Army, (Retired),
Assistant Professor of Military Science and Tactics.

CHARLES E. BELL, B.S.,
Assistant Chemist to the Experiment Station.

CAPTAIN IRA E. RYDER, Infantry, United States Army,
Assistant Professor of Military Science and Tactics.

CAPTAIN FLOYD H. BAIN, Infantry, United States Army,
Assistant Professor of Military Science and Tactics.

EARLL LESLIE LORD, B.S.A.,
Assistant Professor of Botany and Horticulture.

CAPTAIN LEWIS W. AMIS, Infantry, United States Army,
Assistant Professor of Military Science and Tactics.

WILLIAM EUGENE STOKES, B.S., M.S..
Assistant Grass and Forage Crop Specialist to the Experiment Station.

JOHN M. COLEMAN, B.S.,
Assistant Chemist to the Experiment Station.

HAMLIN L. BROWN, B.S., M.S.,
Extension Dairyman for the Agricultural Extension Service.

RALPH STOUTAMIRE, B.S.A.,
Editor of Agricultural News Service and Instructor in Agricultural Journalism.

WILLIAM B. TISDALE, B.S., PH.D. (Wisconsin),
Assistant Plant Pathologist for the Tobacco Experiment Station.

W. H. BEISLER, B.S., D.SC. (Princeton),
Assistant Professor of Chemistry.

GEORGE F. WEBER, PH.D.,
Associate Plant Pathologist to the Experiment Station.

ED. L. AYERS, B.S.,
Extension Entomologist and Plant Pathologist for the Agricultural Extension Service.

JOHN H. JEFFRIES,
Superintendent of the Citrus Experiment Station.

CHARLES ARCHIBALD ROBERTSON, A.B., M.A.,
Assistant Professor of English.

COLONEL EDGAR SMITH WALKER, U.S.A. (Retired),
Instructor in Descriptive Geometry.

R. DEWITT BROWN,
Director of Cadet Band and University Orchestra.

BENJAMIN FRANKLIN GAINES, B.S.,†
Instructor in Mechanical Engineering.

WILLIAM RICHARD HALE, M.A.,
Instructor in Mathematics.

SERGEANT DALLAS B. HUNDLEY, Infantry, United States Army,
Instructor in Military Science and Tactics.

JOSEPH WEIL, B.S.E.E.,
Instructor in Physics and Electrical Engineering.

JOHN P. LITTLE, B.S.E.E.,
Instructor in Physics and Electrical Engineering.

S. K. ESHLEMAN, M.E., M.S.,
Instructor in Mechanical Engineering.

W. A. LITTLE, A.M.,
Instructor in Mathematics and English.

HENRY B. SLAUGHTER, A.B. ED.,
Instructor in English and French.

JAMES C. ATKINSON,
Instructor in Modern Languages.

HAROLD MOWRY,
Assistant Horticulturist to the Experiment Station.

A. W. LELAND,
Farm Foreman to the Experiment Station and College of Agriculture Farm.

JESSE REEVES,
Foreman for the Tobacco Experiment Station.

---

†On leave of absence, 1922-1923.

SARAH W. PARTRIDGE,‡
State Agent, Home Demonstration Work.

HARRIETTE B. LAYTON,‡
Assistant State Home Demonstration Agent.

AGNES I. WEBSTER, B.S.,‡
District Agent, Home Demonstration Work.

ELLEN LE NOIR, B.S.,‡
District Agent, Home Demonstration Work.

MINNIE FLOYD, B.S.,‡
Extension Farm Poultry Agent, Home Demonstration Work

MAY MORSE,‡
Extension Home Dairy Agent, Home Demonstration Work.

I. G. THOMAS,
Assistant in Physics.

J. C. BABSON,
Assistant in Physics.

J. B. ATANASOFF,
Assistant in Physics and Descriptive Geometry.

M. C. WILENSKY,
Assistant in Physics.

LEONARD TODD,
Assistant in Physics.

S. K. KNIGHT,
Assistant in Physical Education.

THOMAS S. FERGUSON,
Assistant in Physical Education.

CHARLES WILSON BOYD,
Assistant in Physical Education.

SAM W. McINNIS,
Fellow and Assistant in Mathematics.

PAUL H. HILLS,
Assistant in Chemistry.

O. M. BERG,
Assistant in Chemistry.

RICHARD T. BURR,
Assistant in Chemistry.

WARD CULLIN SUMPTER, A.B.,
Assistant in Chemistry.

---

‡Headquarters at Tallahassee, Florida.

HENRY FULLER,
Assistant in Chemistry.

ROLAND EDWARD SNUGGS, A.B.,
Assistant in Chemistry.

RALPH P. PERKINS,
Assistant in Chemistry.

LANDON FULLER,
Assistant in Electrical Engineering.

W. P. LADD, Jr.,
Assistant in Electrical Engineering.

G. H. HODGES,
Assistant in Civil Engineering.

H. C. STANSFIELD,
Assistant in Mechanic Arts and Mechanical Engineering.

J. R. LEONARD,
Assistant in Mechanical Drawing.

F. L. PRESCOTT,
Assistant in Descriptive Geometry.

J. S. ALEXANDER,
Assistant in Biology.

V. M. BRADSHAW,
Assistant in Biology.

F. M. WALKER,
Assistant in Biology.

R. S. DOWDELL,
Assistant in Horticulture.

C. E. ABBOTT,
Assistant in Horticulture.

ALEX WHITE,
Assistant in Veterinary Science.

A. J. GEIGER,
Assistant in Animal Husbandry.

C. R. HIATT,
Assistant in Dairying.

HENRY GLENN HAMILTON, B.S.A.E.,
Assistant in Agronomy.

N. B. BARTLETT,
Assistant in Band and Orchestra.

CHARLES JAMES REGERO,
Assistant in Band and Orchestra.

L. L. HALL,
Assistant in Band and Orchestra.

A. D. HUTSON,
Assistant in Band and Orchestra.

J. D. SEIBERT,
Assistant in Band and Orchestra.

W. H. POMEROY,
Assistant in Band and Orchestra.

H. F. HAMILTON,
Assistant in Band and Orchestra.

MRS. STELLA P. ARRINGTON, A.B.,*
Primary Methods.

GEORGIA BORGER, B.S.,*
Botany and Zoology.

WILLIAM R. BOURNE, A.M.,*
Education.

CHRISTINE CARMACK, A.B.,*
History and Civics.

W. H. CASSELS, A.B.,*
Mathematics.

S. A. DRAPER, A.B.,*
English.

R. L. HAMON, B.S. Ed.,*
Manual Training and Mathematics.

REBA F. HARRIS, B.S.,*
Lecturer on Health and Hygiene.

ELDRIDGE HART, LL.M.,*
Accounting and Transportation.

R. H. HIXSON, B.A., Ph.B.,*
Lecturer on Health and Hygiene.

C. I. HOLLINGSWORTH, A.B.,*
Mathematics.

ETHEL L. HOPKINS,*
Drawing and Industrial Arts.

HENRY CECIL JOHNSON, A.B. Ed.,*
English.

B. B. LANE, A.M.,*
English.

---

*Summer School, 1922.

GERTRUDE McARTHUR, M.A.,*
Rural Education.

E. W. McMULLEN, A.B.,*
History and Civics.

P. T. MANCHESTER, M.A.,*
Modern Languages.

H. G. METCALFE,*
Mathematics.

MRS. JOSEPH ROEMER, B.S.,*
Primary Education.

MAUDE SAUNDERS,*
Geography and General Science.

R. P. TERRY, A.B., J.D.,*
Latin.

MRS. MABEL WALL,*
Music.

J. E. WILLETT,*
History and Civics.

O. I. WOODLEY, M.A.,*
Education.

ELLA M. ALLISON, PH.B.,†
Teachers' Review Courses.

MARY ELLEN FOLEY, A.B., B. J.,†
Journalism.

JULIA ANNETTE KEELER, B.S.,†
Industrial Arts.

ALICE L. ALLISON, A.B.,†
Mathematics.

CEDORA FUTCH, A.M.,†
Mathematics.

MADELAINE E. WILLIAMS, A.B.,†
High School Courses.

PANSY MANCHESTER, A.M.,†
English.

REX FARRIOR, A.B.,†
Latin.

PAUL T. MANCHETSER, A.M.,†
French and Spanish.

RALPH E. CALLAHAN,†
Commercial Courses.

J. R. LEONARD,†
Mechanical Drawing.

---

*Summer School, 1922.
†General Extension Division.

SPECIAL LECTURERS AND INSTRUCTORS†

S. A. FLETCHER.
H. P. ROSEBRO.
J. A. ORMOND.
L. C. ADELSON.
O. I. WOODLEY.
MRS. JOSEPH ROEMER.
ELDRIDGE HART.

KLEIN H. GRAHAM,
Auditor and Purchasing Agent.

CORA MILTIMORE, B.S.,
Librarian.

GEORGE EDWARD WHITE, A.B.,
General Secretary, Y. M. C. A.

THOMPSON VAN HYNING,
Curator of Museum and Librarian to the Experiment Station.

ETHEL LORRAINE COWAN,
Registrar.

MARY EVELYN PARROTT,
Secretary to the President.

PRISCILLA McCALL KENNEDY,
Librarian and Secretary to the Law College.

RUBY NEWHALL,
Secretary to the Experiment Station.

ELIZABETH ROUNTREE,
Secretary to Teachers College.

RACHEL THOMSON McQUARRIE,
Assistant to the Auditor.

MRS. G. M. SESSIONS,
Secretary to College of Engineering.

MRS. E. J. MARTIN,
Secretary to College of Agriculture.

MARY E. ROUX,
Mailing Clerk to Experiment Station.

MRS. MARGARET PEELER,
Housekeeper.

MRS. ROXIE CONNELL,
Graduate Nurse in Charge of the Infirmary.

EURY M. KNIGHT,
Bookkeeper and Cashier.

---

†General Extension Division.

STANDING COMMITTEES OF THE FACULTY

The President of the University is *ex-officio* a member of all Standing Committees

ADMISSION

Professors Simpson, Farr, Leake, Roemer, Rogers, J. S., Perry.

ALUMNI

Professors Willoughby, Floyd, Buchholz, Crandall, Strong, Cody.

ATHLETICS

Professors Reed, Cockrell, Kline, Manchester, Van Fleet, White.

BUILDING AND CAMPUS SANITATION

Professors Sweet, Manchester, Rogers, F., Amis.

DISCIPLINE

Professors Crandall, Fulk, Leigh, Van Fleet, Price.

GRADUATE WORK

Professors Anderson, Farr, Newell, Benton, Trusler, Norman.

LIBRARY

Professors Leake, Farr, Bristol, Fulk, Shealy, Miltimore

MILITARY AFFAIRS

Professors Shealy, Riley, Reed, Black, Leigh.

PUBLIC DEBATING

Professors Bristol, Trusler, Roemer, Rasco, Little.

PUBLIC FUNCTIONS

Professors Crow, Rogers, J. S., Lord, Ryder, Beisler, Brown.

PUBLICITY

Professors Riley, Willoughby, Leigh, Rasco, Hathaway.

SCHEDULE

Professors Perry, Rogers, F., Strong, Walker, Day.

SELF-HELP

Professors Turlington, Buchholz, Enwall, Atkinson, White.

STUDENT ORGANIZATIONS

Professors Cockrell, Turlington, Bain, Walker, White.

STUDENT PUBLICATIONS

Professors Trusler, Farr, Benton, Crow.

UNIVERSITY PUBLICATIONS

Professors Fulk, Simpson, Enwall, Price, Crow, Robertson.

LECTURES

During the course of the scholastic year the students have an opportunity of hearing many lectures from distinguished men from various parts of the country. Among those heard during the session of 1922-1923 may be mentioned:

1922—November 22—Dr. R. S. Holmes, Daytona, Florida, on "The Open Forum".

December 6—Dr. C. W. Duke, First Baptist Church, Tampa, Florida, on "Bridging the Chasm".

1923—January 11—Dr. D. B. Pureton, President Emeritus, West Virginia University, on "Success".

February 1—Dr. George Irving, Y. M. C. A., on "Man's Three Obligations".

February 15—Mr. Fred B. Smith, World Alliance for International Friendship and Peace, on "International Friendship and Peace".

February 17—Editor H. E. Howe, Journal of Industrial Engineering Chemistry, on "The Role of Chemistry in International Relations".

March 20 and 22—Dr. Kerr Boyce Tupper, Philadelphia, on "Education".

During the session of 1923-1924 the Honorable William Jennings Bryan has consented to deliver a course of six lectures.

GENERAL INFORMATION

RECENT GIFTS

Many of the state educational institutions of the South —among them those of Florida—have in recent years received substantial gifts. The University feels confident that its friends will continue to help in its upbuilding. All gifts, of whatever nature or value, will be gratefully acknowledged. (See also under Museum, Loan Funds, and College of Agriculture.)

CHAIR OF SECONDARY EDUCATION.—This opportunity is taken of acknowledging the annual gift by the General Education Board of New York of a sum sufficient to maintain a Professorship of Secondary Education. Since June, 1920, owing to increased appropriations by this Board, it has been possible to extend greatly the work undertaken.

SCHOLARSHIPS.—No method of contributing to the spread of higher education is more beneficent than to make it possible for a worthy but poor young man to attend his state university. The establishment of several scholarships is gratefully acknowledged—see pages 17, and 40-42.

Arthur Ellis Ham Memorial Scholarship.—The University here renders reverent and grateful homage to the memory of a former student, Captain Arthur Ellis Ham, who fell in battle at St. Mihiel on Sept. 14, 1918.

His will provided that one half of his military insurance should go to Smith College, of which his widow, Mrs. Elizabeth C. Ham, is a graduate, and the other half to the University, to be used in establishing at each of these institutions "a scholarship for the annual benefit of some needy and deserving student." Mrs. Ham at once generously sent checks for the full amount, five thousand dollars ($5,000) each, to Smith and to Florida. The Board of Control gratefully accepted the bequest, and the Faculty, in its resolutions of sympathy and thanks, added that the scholarship should be known as the "Arthur Ellis Ham Memorial Scholarship."

John B. Sutton Scholarship.—The University takes great pleasure in announcing the establishment of a scholarship yielding $250.00 by a most loyal alumnus and member of the Board of Control, Mr. John B. Sutton, LL.B. 1914, of Tampa, Florida.

The recipient will be selected by Mr. Sutton himself, subject to the regulations of the University.

HISTORY

Florida has always manifested interest in higher education, and with this in mind has formulated many plans and established many institutions. As early as 1824 the foundation of a university was discussed by the Legislative Council. In 1836 trustees for a proposed university were named, but apparently accomplished nothing. *(Memoirs of Florida,* 1,168.)

Upon its admission to the Union in 1845, the State was granted by the General Government nearly a hundred thousand acres of land, the proceeds from which were to be used to establish two seminaries, one east and one west of the Suwanee River. This led to the foundation, at Ocala, in 1852, of the East Florida Seminary and of the West Florida Seminary, at Tallahassee, in 1856. The former of these institutions was, however, removed in 1866 to Gainesville.

The State Constitution of 1868 contained provisions for establishing and maintaining a university *(Art.* VIII, *Sec.* 2), pursuant to which the Legislature passed the next year "An Act to Establish a Uniform System of Common Schools and a University". Other attempts to establish a university were made in 1883 by the State Board of Education and in 1885 by the Legislature. Furthermore, the State Constitution of 1885 expressly permitted special legislation with regard to a university.

Meanwhile, in 1870, the Legislature had passed "An Act to Establish the Florida Agricultural College". This not fully meeting the terms of the "Land-Grant College" Act of Congress of 1862, the Legislature passed in 1872 a supplementary Act and the State received from the General Government ninety thousand acres of land in support of the proposed college. A site for this was selected in 1873, in 1875, and

again in 1883—the third to be chosen being Lake City. Here in the autumn of 1884 the work of instruction was begun. An attempt was made in 1886 by this institution to have its name changed to the "University of Florida", a title it finally secured by the Legislative Act of 1903. Before this, in 1887, the Florida Agricultural Experiment Station had, in accordance with the terms of the Hatch Act, been established as one of its departments.

During these years, in addition to the three mentioned, there had come into existence three other State institutions of higher education: The Normal School, at DeFuniak Springs, the South Florida College, at Bartow, and the Agricultural Institute, in Osceola County. In 1905, however, inasmuch as these six institutions had failed to make satisfactory differentiation among themselves and to separate their work sufficiently from that of the high schools of the State, and inasmuch as the cost of maintaining all seemed disproportionate to the results obtained, the Legislature passed the "Buckman Act", the effect of which was to merge the six into the "Florida Female College" and the "University of the State of Florida". In 1909 an Act of the Legislature changed the name of the one to the "Florida State College for Women", of the other to the "University of Florida".

During the first session of the University a distinct Normal School, which included two years of sub-freshman grade, was maintained. In addition to this, instruction was given in agriculture and engineering, as well as in the usual collegiate branches. Candidates for admission to the freshman class must have finished the eleventh grade of a high school. The Agricultural Experiment Station was a separate division, altho members of its Staff gave instruction to the students and the President of the University acted as its Director. The next year the Staff were required to devote their time exclusively to Station activities, and a special Director was elected. The Normal School was abolished and instruction in pedagogy was transferred to the University proper. Two years of sub-freshman work were, however, still offered.

Upon the election in 1909 of Dr. A. A. Murphree to the presidency, steps were taken to reorganize the University. The present organization dates from 1910. The College of Law was added in 1909 and the departments offering instruc-

tion mainly to normal students were organized into a college in 1912. In 1913 the present entrance requirements went into effect. The same year a Summer School was established at the University by Act of the Legislature and the Farmers' Institute Work of the University and the Cooperative Demonstration Work for Florida of the U. S. Department of Agriculture were combined. On July 1, 1915, all the agricultural activities of the University were placed under the direction of the Dean of the College of Agriculture.

Immediately after the United States entered the World War the equipment of the University was placed at the disposal of the Government. During the summer of 1918 the College of Engineering was operated as the "University of Florida Army School", for the vocational training of soldiers. At the opening of the session of 1918-1919 all the regular activities of the University were subordinated to the task of training men for the armed forces of the United States. On Dec. 14, 1918, upon the mustering out of the Student Army Training Corps, the University again took up its regular work.

During the summer of 1919 the General Extension Division was established. The University also entered into contract with the United States Government to assist in the work of rehabilitating men disabled while in the armed forces of the country.

LOCATION

On the 6th day of July, 1905, acting under powers conferred by the Buckman Act, the State Board of Education and the Board of Control, in joint session, selected Gainesville as the location of the University. During the scholastic year of 1905-06, it was found necessary to carry on the work of the University at Lake City. Since the summer of 1906 the institution has occupied its present site.

The advantages that Gainesville presents as the seat of the University are numerous. It is centrally located and easy of access. It has well-paved, -lighted, and -shaded streets, an exceptionally pure water supply, and a good sewerage system. The citizens are energetic, progressive, and hospitable. The moral atmosphere is wholesome. The leading religious denominations have attractive places of worship.

INCOME

The annual income of the University, apart from Legislative appropriations, is derived principally from the following Federal grants: (a) The "East Florida Seminary Fund"—about two thousand dollars ($2,000); (b) the "Agricultural College Fund" bonds—about seventy-seven hundred dollars ($7,700); (c) one-half of the "Morrill Fund"—twelve thousand five hundred dollars ($12,500); (d) one-half of the "Nelson Fund"—twelve thousand five hundred dollars ($12,500). The total income thus derived amounts to thirty-four thousand seven hundred dollars ($34,700).

For the support of the Agricultural Experiment Station the Federal government makes two annual grants: (a) the "Hatch Fund" and (b) the "Adams Fund", each amounting to fifteen thousand dollars ($15,000).

See also Recent Gifts, Fellowships, Scholarships, Loan Funds, and Agricultural Extension Division.

EQUIPMENT

GROUNDS AND BUILDINGS

The University occupies a tract of six hundred and thirteen acres, situated in the western extremity of Gainesville. Ninety acres of this tract are devoted to campus, drillgrounds, and athletic fields; the remainder is used by the College of Agriculture.

The University is one of the few institutions in the United States that made plans before laying the foundation of a single building for all future development of the campus, as far as this could be foreseen. Consequently the campus presents an harmonious appearance. The liberality of the State has permitted the erection of substantial and attractive modern buildings as fast as they were needed. Early in 1922 the contract was let for the construction of the first unit of the Administration Building, which is to be the outstanding architectural feature of the campus. The entire building will cost $750,000. This unit, which is to cost $200,000, will include an auditorium accommodating 2,200 people.

The present buildings are:

The two *Dormitories,* Thomas Hall and Buckman Hall, brick and concrete structures, three stories in height, sixty

feet in width and three hundred and two hundred and forty feet, respectively, in length. They are built in fireproof sections, each containing twelve suites of dormitory-rooms and on each floor of each section a shower-bath, lavatory, and toilet.

The *Mechanic Arts Shop,* a one-story brick building, sixty feet long and thirty feet wide, with a wing thirty feet long and twenty feet wide. It is used, at present, as woodshop, blacksmith-shop, and foundry.

Science Hall, a brick and concrete building of two stories and a finished basement, one hundred and thirty-five feet long and sixty-six feet wide. It contains the classrooms and laboratories of the Departments of Chemistry and of Biology and Geology, as well as the University Museum.

The *Agricultural Experiment Station Building,* a brick and concrete structure of three stories and a finished basement, one hundred and twenty-five feet long and sixty feet wide. It contains the offices and laboratories of the Station.

Engineering Hall, a brick and terra-cotta structure, three stories high, one hundred and twenty-two feet long and seventy-three feet wide, with two one-story wings. One wing is used for boilers and machine-shop, the other (one hundred and eighty feet long by forty feet wide) is designed for woodshop, blacksmith-shop, and foundry. Engineering Hall provides offices, classrooms, laboratories, and drafting-rooms for the Departments of Civil, of Electrical, and of Mechanical Engineering, of Mechanic Arts, of Physics, and of Military Science and Tactics.

The *Agricultural College Building,* a brick and concrete structure, three stories high, one hundred and fifteen feet long and sixty-five feet wide. It provides for classrooms, laboratories, and offices for the College, and for Extension Work.

The *University Commons,* a brick building of one story and basement, one hundred and fourteen feet long and forty-two feet wide, with a wing forty-nine feet long and twenty-seven feet wide. It provides a large dining-hall and kitchen. A wooden annex, one hundred and twenty feet long by sixty feet wide, is now used as a Y. M. C. A. "Hut".

Language Hall, a brick and stone structure of three stories, one hundred and thirty-five feet long and sixty-six feet wide. It is the home of the College of Arts and Sciences and provides

classrooms and offices for the Departments of Languages, History and Economics, Mathematics, and Sociology and Political Science, together with the administrative offices of the University. In the basement are the bookstore and the offices and presses of the *Alligator*.

George Peabody Hall, erected at a cost of forty thousand dollars ($40,000), the gift of the Peabody Board of Trust. It is a brick building, three stories high, one hundred and thirty-five feet long and seventy-two feet wide. It provides for the Departments of Education and Philosophy and for Teacher-Training Work. The general library of the University is at present in this building.

The *College of Law Building,* a brick and stone structure of two stories, one hundred and twenty feet long and seventy feet wide. It contains an auditorium, model courtroom, lecture-rooms and offices, library, reading and consultation rooms, cataloguing room, and quarters for the Marshall Debating Society.

Auditorium and Gymnasium, a brick and stone structure of two stories (one of which is mezzanine) and basement, one hundred and six feet long and fifty-three feet wide. It is heated by steam, is fully supplied with hot water, and is well lighted and ventilated. The main floor is used as an auditorium and gymnasium. A gallery extending around the whole room provides space for the spectators at gymnastic exhibitions. The basement contains rooms for the director and for University and visiting teams, and for lockers, shower-baths and toilets. Adjacent is a swimming pool, thirty-six feet long, twenty-four feet wide, and from four and a half to seven feet deep.

Wooden Buildings.—During the existence of the S. A. T. C., the Vocational Unit erected:

Two *Barracks,* each of two stories, sixty feet long and forty feet wide, and each accommodating sixty-six men. One of these buildings has been equipt as a hospital with accommodations for twenty-five men.

A *Garage,* one hundred and twenty feet long, and well arranged for repair work.

Value.—An estimate of the value of the property used for the work of the University can be formed from the amount of

insurance, $1,078,000, carried. The grounds are valued at $60,000.

GENERAL LIBRARY

The general Library contains about 38,000 volumes. Additional books are purchased as fast as funds are available. A special effort is being made to place on the shelves all books extant relating to Florida.

The books are classified and shelved according to the Dewey Decimal system, and are indexed in a dictionary catalog. Students are encouraged to use the catalog, and the indexes to periodical literature, and by free access to the shelves to become familiar with the books themselves. A taste for literature and information is being developed in many students who before entering the University have not had access to a good library.

As a designated depository of the United States government the Library receives annually several hundred bound volumes and many pamphlets. In addition much valuable material is received from the various state universities, colleges, and experiment stations.

The Library receives about two hundred and seventy-five general and technical periodicals, the current numbers of which are to be found on the reading tables. These periodicals are bound as rapidly as the volumes are completed and are particularly valuable for use in reference work. The daily and weekly papers are to be found in the newspaper room. Thru the courtesy of the editors a large number of county and city newspapers of Florida are sent to the Library for the use of the students.

The University Library is glad to be of assistance to the teachers and high-school students of the State. Under reasonable regulations books are lent upon request. When it is impossible to send the material desired bibliographies with suggested sources of information are gladly furnished.

The Library has been fortunate in the number of recent gifts. Dr. A. A. Murphree gave two hundred and fifty volumes. Five hundred volumes were received from the American Library Association. The family of the late Rev. Rees W. Edwards, of Jacksonville, gave about two hundred and fifty volumes on religion and philosophy. These books will

be kept together and the collection will be known as the "Rev. Rees W. Edwards Memorial." The University of Florida is one of seventy colleges and universities in the United States to be presented with a copy of the celebrated Codice Trivulziano, which is the original manuscript of Dante — Divine Comedy. Only three hundred and fifty copies have been published and the volume is very valuable. This was given to the University by the Italians of the United States of America, on the initiative of Luigi Carnovale, Chicago, Illinois, in commemoration of the six-hundredth anniversary of the death of Dante, September 14, 1921.

DEPARTMENTAL LIBRARIES

The technical departments possess special libraries, housed in their respective buildings, but accessible to all members of the University.

MUSEUM

By Act of Legislature of 1916-17 the University was made the home of the Florida State Museum. The Act further provides for:

> A natural history and ethnological survey of the State; for scientific investigations looking towards the further development of its natural resources; for the collecting of material of scientific, economic and civic value, whether pertaining to the mineral, vegetable, and animal kingdoms or to the aboriginal tribes and the early explorations and settlements; for a library; and for traveling exhibits to be kept in circulation among the schools of the State.

Adequate funds for carrying out all the provisions of this Act have not as yet been provided; but, largely thru the generosity of some of our citizens, enough specimens and data are already in hand to permit the director to announce the opening of the State Museum.

The Museum contains at the present time more than two hundred and seventy thousand specimens, about one half of which have been carefully catalogued. Among the eight hundred and seventy-six recent accessions are perhaps most worthy of mention an herbarium of four thousand and eight hundred sheets presented by Dr. Samuel C. Hood, of Orlando; the R. D. Hoyt collection of more than eight hundred birds and four hundred sets of bird eggs; the John J. Ryman collection of more than two hundred birds and eight hundred sets of bird eggs; a complete collection of the mollusca of Alabama,

presented by the late Dr. Herbert H. Smith, curator of the Alabama Geological Survey Museum; a large number of bird plumes, presented thru Secretary Gilbert J. Pearson, of New York, by the National Association of Audubon Societies; and the "Loring Memorial Collection", presented by General Loring's heirs, Mrs. William Loring Spencer and Mrs. M. C. Royston, of St. Petersburg. This last collection is of great historical and artistic value, besides being intrinsically worth many thousands of dollars.

Other valuable donations can, it is believed, be announced soon. Even now it is known that much material of historic and artistic interest has been left to the Museum by will and negotiations are under way for securing large exhibits. One good-sized library and a collection weighing more than three tons are already packed for shipment to the University.

In addition to these there are in the Museum a fair collection of the mollusca of Florida, containing more than eighteen thousand specimens; about nine thousand Florida fossils; more than five hundred Florida reptiles; more than ten thousand specimens of stone implements and pottery of the aborigines of Florida; besides thousands of specimens of historic articles, minerals, insects, etc. The library of the Museum numbers about five thousand volumes and pamphlets.

Unfortunately, owing to the lack of rooms and cases, only a small part of this material is now on exhibition and of this part few specimens are arranged to the best advantage. A few rooms are, however, open every day but Sunday, from one to five P. M., and in these rooms are many objects of interest. Director Van Hyning is always pleased to be of service to visitors.

LABORATORIES

For the *Laboratories* and other equipment of the College of Agriculture, see pages 93-94.

The *Biological Laboratories* occupy three-fourths of the second floor and a part of the basement of Science Hall. There are three main laboratories for class instruction, the largest of which is used by first-year students and accommodates forty. Equipment consists of individual compound and dissecting microscopes, necessary glassware, dissecting pans, with dry and oil immersion lenses and substage condensers, autoclaves

and dry and steam sterilizers, incubator and refrigerator, burners, reagents and media; incubators, embedding ovens, microscopes, camera lucidas, dissecting trays and boards, storage jars for specimens. Besides class laboratories there are private laboratories and offices for instructors; a lecture room seating sixty, equipt with a projection apparatus and considerable demonstration material; a well equipt dark room; a laboratory for advanced students; storage and stock rooms.

In addition to the above, there is considerable equipment for special and advanced work, including: an Edinger drawing apparatus, a large Leitz compound microscope with apochromatic equipment thruout, a Leitz monobjective binocular microscope, binocular microscopes, paraffin and celloidin microtomes, mechanical stages, dark field condensers and a very complete copying camera. The department has also a good supply of collecting apparatus, a portable boat and various types of nets, aquaria, animal cages, and vivaria. A teaching collection of the local fauna, of anatomical and embryological specimens, wall charts and models is being builded as rapidly as possible.

The *Chemical Laboratories* are equipt with the apparatus and chemicals required for instruction in general, inorganic, organic, analytical, physical, agricultural and industrial chemistry. They are amply provided with chemical balances, platinum ware, glass and porcelain ware, electrical instruments, and considerable special equipment which is necessary in the more advanced courses.

The *Dynamo Laboratory* occupies a portion of Engineering Hall. For description of its equipment, see page 28.

The *Geological Laboratory* contains the U. S. Geological Survey Educational Series of rocks. For the study of historical geology there is a collection of fossils illustrating the distribution and development of organisms; for the study of mineralogy there is a blowpipe collection of one hundred selected mineral species, an accessory blowpipe collection of miscellaneous minerals, a collection of fifty natural crystals, and a reference collection of choice mineral specimens.

The *Hydraulic Laboratory,* belonging to the College of Engineering, is described on page 29.

The *Physical Laboratory* is well equipt with apparatus and

meets the needs of such undergraduate work in physics as is usually carried on in the best American colleges.

To the department of physics is devoted the entire third story of Engineering Hall, as well as a lecture-room on the second story, seating 147, and provided with projection lantern. The quarters on the third story include a main laboratory, 53 by 27 feet; an electrical laboratory, 42 by 26 feet; an optical room, 22 by 15 feet, arranged so as to be effectively darkened; an office and private laboratory, 25 by 19 feet; a workshop and apparatus room, 42 by 19 feet; a classroom, 24 by 22 feet; and a number of storerooms. Water, gas, and several electrical circuits are led to all the rooms.

The *Psychological Laboratory* occupies six rooms on the first floor of Peabody Hall and is well equipt for class demonstrations, and for carrying on experimental and research work. As the demand arises new equipment will be added. In addition to the apparatus for the regular experimental work, the laboratory is equipt for carrying on mental and physical tests in connection with the work in educational psychology offered by the Teachers College.

ENGINEERING

The *Dynamo Laboratory* contains a 10-KW Type ACS General Electric synchronous converter, a 25-KW General Electric Type IB direct current generator, a 1-HP Westinghouse Type R motor, a 1-KW synchronous motor, and two 2-KW Westinghouse Type S dynamos, designed to be used either as generators or as motors. The switchboard panel for each machine is placed near it, but is connected to terminals on a main distribution board for the whole laboratory. Power is supplied by a 10-HP single-phase Wagner induction motor, connected with the city alternating current supply and driving the main shaft of the laboratory. The various machines are driven from this shaft, and can be thrown in or out by friction clutches.

The laboratory is also supplied with transformers, several types of arc lamps, and numerous measuring instruments of different ranges. A number of manufacturers have lent machinery to it. It has also benefited by a large loan of machinery temporarily out of use, from the American Agricultural Chemical Company, Pierce, Florida.

For experiments in *power engineering* there are indicators, gages, flue-gas analyzers, a draft-gage, pyrometer, anemometer and a psychrometer. The water-tube boilers installed for the heating plant are available for testing purposes. There are also two blowers and a boiler-feed pump.

The *Testing Laboratory* has a 50,000-pound Riehle machine for testing the tensile, compressive, and transverse strength of materials, and a cement-testing machine with the necessary accessories. These machines are useful for testing materials used in road construction.

Hydraulic Laboratory.—One Pelton Waterwheel; one box weir fitted with a triangular notch, and with hook gage attacht; one Venturi meter; one Ford water meter testing apparatus; one hydraulic ram; one gage-testing apparatus; 2 water piezometers; 2 mercury gages; one Pito tube; one water tank equipt with standard orifices; and various smaller instruments for conducting hydraulic experiments.

The *Computing Room* is furnished with all necessary tables and a library of about two hundred reference books for use in connection with the work of the mechanical laboratories and drafting-room.

The *Drafting-Room* is equipt with substantial oak desks and possesses the necessary minor equipment to accommodate twenty-four students at a time.

Surveying Instruments.—These consist of three surveyor's compasses; three wye and two dummy levels, and one precision level; two plain and five stadia transits, of which three are equipt with attachments for solar and star observations; one complete plane-table; one large telescope for astronomical work; one sextant; one aneroid barometer; one army sketching case; and the necessary rods, chains, tapes and minor instruments. Blue-printing apparatus also is included.

Shops.—The Wood-Shop is provided with lockers, equipt with full sets of tools for bench work: Chisels, saws, squares, gages, etc. The wood-working machinery consists of a planer, a rip-saw, a band-saw, an iron combination saw table, a jointer, and a grindstone.

The Machine-Shop is equipt with an 18-inch Cady, a 16-inch Reed, a 16-inch Bradford, an 11-inch Star, and a Rivett lathe; a drill press; a Gray planer; a No. 1 Brown and

Sharp miller; a Springfield shaper; a No. 2 Marvel hack saw; universal tool grinder; emery wheels; vises and tools.

The Forge-Shop is equipt with six power-blast forges, one hand forge, six anvils, and tools.

ATHLETIC

The University has provided a hard-surfaced athletic field, including two football gridirons, baseball diamond, with grandstand and enclosed field, and tennis-court facilities. A basketball court and concrete swimming-pool also are located on the campus.

MILITARY

Military equipment of a value of more than $50,000 is available for military instruction.

GOVERNMENT

ADMINISTRATION

Board of Control.—The general government of the University is vested by law in a Board of Control consisting of five members from various parts of the State, appointed, each for a term of four years, by the Governor of Florida.

The Board of Control appoints the President and, upon his nomination, elects members of the Faculties, directs the general policies of the University, and supervises the expenditure of its funds. The Board also prescribes the requirements for admission, with the advice of the President and Faculties, and upon their recommendation confers degrees.

President.—The direct administration of all affairs of the University is in the hands of the President.

Deans.—As executive head each college of the University has a Dean, appointed from the Faculty of that college. These officers are responsible to the President.

University Council.—The President and the Vice-President of the University and the Deans of the several colleges form a council of administration, with the following functions:

To lay out new lines of work, inaugurate new enterprises in general, and to prepare the annual budget; and to act as the judicial body of the General Faculty on cases of general discipline not under the authority

of the colleges, on new courses of study and changes in existing courses, bringing these matters before the Board of Control, and on questions of college action referred to it by any member of the General Faculty.

FACULTIES.—The General Faculty includes all persons, except laboratory and undergraduate assistants, engaged in the work of instruction in the University. Under the leadership of the President, it forms the governing body in all general matters of instruction and discipline.

The Faculty of a college consists of those members of the General Faculty who give instruction in it. Under the leadership of its Dean, it forms the governing body in matters of instruction and discipline in its college.

REGULATIONS

SUPERVISION.—An *Officer in Charge,* occupying quarters in one of the dormitories, has immediate supervision of the general life of the student-body.

OFFENSES AGAINST GOOD CONDUCT.—Any offense against good conduct, in the ordinary meaning of the word, renders a student liable to discipline, whether or not a formal rule against the offense has been published.

The following offenses will be treated with special severity: Disrespect to an officer of the University; wanton destruction of property; gambling; having revolvers in possession on the University grounds.

HAZING.—No student will be assigned to a room in a dormitory until he has been matriculated and has signed the following pledge:

"I hereby promise upon my word of honor, without any mental reservation whatsoever, to refrain from all forms of hazing while I am connected with the University of Florida."

ATTENDANCE UPON UNIVERSITY DUTIES.—A student who accumulates three unexcused absences from drill, or ten from lecture or recitation, will be given a severe reprimand and parent or guardian will be notified. Two additional unexcused absences will cause his dismissal from the University for the remainder of the academic year. Ten unexcused absences from Chapel will involve, except in the case of a senior or of a student in the College of Law, the same penalty.

A student who, because of ill health or of outside demands upon his time, finds it impossible to be regular in his atten-

dance upon University duties, is requested to withdraw; but this does not in any way reflect upon his good standing.

Delinquencies in University duties are reported to the Registrar, who brings them to the attention of the students concerned and requires a prompt explanation to be made. A careful record of all delinquencies is kept.

INTELLIGENCE TEST.—All freshmen are required to take an intelligence test early in the first semester.

STUDIES

ASSIGNMENT TO CLASSES.—Every student must appear before the Dean of his college at the beginning of each academic year for assignment to classes. No instructor has, except as authorized by the Dean of his college, authority to enroll a student in any course.

CHOICE OF STUDIES.—The choice, subject to considerations of proper preparation, as to which one of the various curricula is to be pursued rests with the individual student; but the group of studies selected must be that belonging to one of the regular years in the chosen curriculum exactly as announced in the catalog for the year in which the student entered—unless special reasons exist for deviating from this arrangement.

No applicant for a Bachelor's degree shall be allowed to make a change in the curriculum selected, unless such change be submitted to the faculty of his college at its first meeting in the semester in which the change is desired and be approved by a two-thirds vote of those present.

CONDITIONS.—A student prepared to take up most of the studies of a certain year in a regular curriculum, but deficient in some, will be permitted to proceed with the work of that year subject to the *condition* that he make up the deficiency. In the event of conflicts in the schedule or of excessive quantity of work, higher studies must give way to lower.

QUANTITY OF WORK.—Minimum and maximum numbers of recitation hours (or equivalent time in laboratory courses) per week are prescribed in each college, according to the following table:

College	*Freshman-Sophomore*		*Junior-Senior*	
	Minimum	Maximum	Minimum	Maximum
Arts and Sciences	17	21	15	19
Agriculture	18	25	16	23
Engineering	18	23	16	21
Law	15	18	15	18
Teachers	17	21	15	19

In all the above colleges, except Law, the basic training course of the Reserve Officers' Training Corps, amounting to three credit hours in the Freshman and Sophomore years, is included.

Two hours of laboratory work are considered equivalent to one hour of recitation.

CHANGES IN STUDIES.—A student once registered is not permitted to discontinue a class or to begin an additional one without written permission from the Dean of his college, which must be shown to the instructor involved; and if he is undergoing military training, he will not be permitted to discontinue that work on account of transferring, within a particular year, to a college in which military instruction is not compulsory. A student who has been registered for two weeks will not be permitted to make any change in studies, except during the first two days of the second semester, without the payment of a fee of two dollars ($2.00).

GRADES AND REPORTS.—Each instructor keeps a record of the quality of work done in his classes and monthly assigns each student a grade, on the scale of 100. This grade is reported to the Registrar for permanent record and for entry upon a monthly report to the student's parent or guardian.

If the monthly grades of a student are unsatisfactory, he may be required to drop some of his studies and substitute those of a lower class, or he may be required to withdraw from the University.

EXAMINATIONS.—Examinations on the ground covered are held at the end of each semester.

FAILURE IN STUDIES.—A final grade, based upon the examination and the monthly grades, is assigned for each semester's work. If this grade falls below 75, the student is considered to have failed and may proceed only subject to a condition in the study in which failure has occurred.

A student failing in more than fifty per cent of his class hours for two consecutive months, will be dropped for the re-

mainder of the College year. Students so dropped will be entitled to honorable dismissal, unless their failure is clearly due to negligence. Upon petition, such a student may, at the discretion of the President of the University and the Dean of his College, be reinstated upon such terms as to them may seem best.

RE-EXAMINATIONS.—A student who has made a semester grade of 60 or more, but less than 75, in any subject shall be entitled to a re-examination in that subject on the first Saturday of March or of October; altho a senior failing on an examination at the end of the second semester shall be allowed a re-examination during the week preceding commencement. Only one re-examination in any subject is permitted; in case of failure to pass this, with a grade of 85, the student must repeat the semester's work in that subject.

DEGREES.—The special requirements for the various degrees offered by the University will be found under the General Statement of the Graduate School and of each of the five colleges. The following regulations apply to all colleges:

While pursuing studies leading to a degree a student must be registered in the college offering that degree.

Two degrees of the same rank, as, e.g., B.S.C.E. and B.S.E.E., will not be conferred upon the same individual, unless the second degree represents at least fifteen "year" hours of additional work.

SPECIAL STUDENTS.—Students desiring to take special courses will be allowed to take those classes for which they may be prepared. The number of such students in a college is, however, restricted to not more than twenty-five per cent of its enrolment. These students are subject to all the laws and regulations of the University. Special courses do not lead to a degree.

The University permits special courses to be taken solely in order to provide for the occasional exceptional requirements of individual students. Abuse of this privilege, for the sake of avoiding studies that may be distasteful, cannot be tolerated. Accordingly, no minor is permitted to enter as a special student except upon written request of his parent or guardian. Minor special students must, except as provided for in the College of Agriculture, offer fifteen entrance units.

ADULT SPECIALS.—Persons twenty-one or more years of age who cannot satisfy the entrance requirements, but who

give evidence of ability to profit by the courses they may take, may, under exceptional circumstances, be admitted as "Adult Specials". Such students appear before the Committee on Admission for enrolment and are not excused from military duty; altho, if more than twenty-two years of age, they may, under certain conditions, secure exemption. (See page 193.)

CLASSIFICATION OF IRREGULAR STUDENTS.—Until all entrance credits have been satisfied a student shall not rank higher than a freshman; a student deficient in any freshman work shall not rank higher than a sophomore; and one deficient in sophomore work not higher than a junior. But a special student is not considered as belonging to any of the regular classes.

When special students make up their deficiencies they may become regular students and candidates for a degree.

ATHLETIC TEAMS, MUSICAL AND OTHER CLUBS

ABSENCES ON ACCOUNT OF ATHLETICS, ETC.—The members of regular athletic teams, of musical and of other student organizations, together with necessary substitutes and managers, are permitted to be absent from their University duties for such time, not to exceed nine days per semester, as may be necessary to take part in games, concerts, etc., away from Gainesville. All classwork missed on account of such trips must be made up, as promptly as possible, at such hours as may be arranged by the professors concerned. All drills missed, which so reduce the semester total that it averages less than three hours per week, must be made up before semester credits can be given.

SCHEDULES.—Schedules of games, concerts, etc., must be arranged so as to interfere as little as possible with University duties. Schedules of games must receive the approval of the Committee on Athletics; schedules of concerts, of dramatic entertainments, etc., the approval of the Committee on Student Organizations.

All regular games will be played under the rules of the Southern Intercollegiate Conference.

ELIGIBILITY TO ATHLETIC TEAMS, MUSICAL CLUBS, ETC.—Any team or club representing the University must be com-

posed exclusively of students in good standing. Negligence of duties, or failure in studies, excludes a student from membership in all such organizations.

No minor student is permitted to play on any regular athletic team, if his parent or guardian objects. A list of players and substitutes must be submitted to the Committee on Athletics before each game and must receive its approval.

FINANCES.—The general Faculty has made the following rules:

All student organizations desiring to collect funds for any purpose whatsoever on the campus must, unless such organizations be under other Faculty control, first secure written permission from the Committee on Student Organizations.

No profits are to be taken by the officers of any student organization that makes its appeal for funds on the basis of its being a University enterprise, except such as may be duly authorized by the President or by the Committee on Student Publications.

At least once a year student organizations engaging in financial operations must have their accounts audited by the Committee on Student Organizations and must publish in the *Alligator* a statement of their receipts and expenditures.

HONORS

PHI KAPPA PHI.—A chapter of the Honor Society of Phi Kappa Phi was established at the University during the spring of 1912. To be eligible for membership a student must have been in attendance at the University for at least one year, have been guilty of no serious breaches of discipline, have had at least three years of collegiate training, be within one year of finishing a course leading to a degree, and stand among the first fourth of the senior class of the University. The numerical grade which must be attained is based on all college work, wherever done, for which the student receives credit towards a degree.

MEDALS.—Medals are offered (1) to the best declaimer in the freshman and sophomore classes and for the best original orations delivered (2) by a member of the junior, and (3) by a member of the senior class. The contests are settled in public competition at Commencement. The speakers are limited to four from each class and are selected by the Faculty.

EXPENSES

UNIVERSITY CHARGES.—*Tuition.*—A tuition fee of forty dollars ($40.00) per year is charged every student registered in the College of Law. In the other colleges a student whose legal residence is in Florida is subject to no charge for tuition; a student who is not a legal resident of the State is required to pay a tuition fee of forty dollars ($40.00) per year.

Registration Fee.—This fee of ten dollars ($10.00) per year is charged all students, except one scholarship student from each county in Florida and all graduate students pursuing work leading to a degree higher than that of Bachelor. These two classes of students are charged five dollars ($5.00).

The scholarships referred to are to be obtained from County Superintendents of Public Instruction and must be filed with the auditor on the day of registration.

An additional fee of two dollars ($2.00) is required of students who enter after the day scheduled for registration.

Student Activity Fee.—This fee of fifteen dollars ($15.00), payable on entrance, was voted by the students and approved by the Board of Control. The moneys so derived are used to foster and maintain athletic sports, student publications, literary and debating societies, and other student activities.

Breakage Fee.—In order to secure the University against damage, the sum of $2.50 is charged. No refund will be made, as damage done by individuals and not reported usually consumes all the moneys provided by this fee.

Damage known to have been done by any student will be charged to his individual account.

Laboratory Fees.—A small fee is required for each course that includes laboratory work, to cover cost of consumable materials, wear and tear of apparatus, and similar items. The amount of the fee varies with the different courses, in no case exceeding $6.00 per semester for any one course. In every case payment in advance is required.

Infirmary Fee.—All students are charged an infirmary fee of five dollars ($5.00). This secures for the student, in case of illness, the privilege of a bed in the infirmary and the services of a professional nurse and of the resident physician,

except in cases involving major operations. All students will be given a careful physical examination at the beginning of the session.

Diploma Fee.—A diploma fee of five dollars ($5.00), payable on or before April 1st of the year of graduation, is charged all candidates for degrees.

Board and Lodging.—Board, lodging, and janitor service will be furnished by the University at a cost of eighty-seven dollars and fifty cents ($87.50) per semester (not including the Christmas vacation). To get advantage of this rate, payment must be made at the beginning of each semester. No refund will be made for less than a month's absence. When not engaged by the semester, board and lodging will be furnished at twenty-two dollars and fifty cents ($22.50) per month.

Under *Board and Lodging* are included meals in the commons and room (with heat, light, janitor service, and access to a bathroom), furnished as stated below. The doors of the rooms are provided with Yale locks. A deposit of 50 cents is required for each key, which will be returned when the key is surrendered. *Janitor service* includes the care of rooms by maids, under the supervision of a competent housekeeper.

Board and lodging in private homes may be secured at the rate of thirty-five to forty dollars ($35.00-$40.00) per month.

Board without Lodging.—Board without lodging will be furnished at the rate of $20.00 per calendar month, payable in advance. No part of this sum will be refunded.

Lodging without Board.—Lodging without board is not furnished.*

Furniture.—All rooms are partly furnished and adjoin bathrooms equipt with marble basin and shower with both hot and cold water. The furniture consists of two iron bedsteads and mattresses, chiffonier or bureau, table, washstand, and chairs. The students are required to provide pillows, bedding, towels and toilet articles for their own use.

Books.—The cost of books depends largely upon the course taken, but is, in no case, a large item of expense, tho in the

*Attention is called here, however, to the large number of rooming-houses near the campus that have recently been built.

higher classes the student is encouraged to acquire a few works of permanent value. The average cost of books to academic students is between $12.00 and $15.00 per annum; to law students, $35.00 to $40.00.

Summary.—The following table summarizes the minimum expenses of a Florida student registered in any college save in that of Law:

Tuition	$000.00
Registration Fee	10.00
Breakage Fee	2.50
Student Activity Fee	15.00
Infirmary Fee	5.00
Board and Lodging	175.00
Books (about)	13.50
Laundry (about)	18.00
	$239.00

Students from other states will add a tuition fee of $40.00; those enrolled in the R. O. T. C. will see also page 194. Candidates for degrees will add a diploma fee of $5.00.

REMITTANCES.—*All remittances should be made to the Auditor, University of Florida, Gainesville, Fla.*

OPPORTUNITIES FOR EARNING EXPENSES.—It is often possible for a student to earn a part of his expenses by working during hours not required for his University duties.

A few students are employed as waiters, as janitors, and in other capacities. Such employment is not, as a rule, given to a student otherwise financially able to attend the University, nor is it given to one who fails in any study. Application for employment should be made to Dr. J. E. Turlington, Chairman of the Self-Help Committee.

Altho the employment of students is designed to assist those in need of funds, the payment for their services is in no sense a charity. The rate of remuneration is no higher and the standard of service demanded is no lower than would be the case if the work were done by others than students. If a student employee fails to give satisfaction, he is discharged. Otherwise, provided it is not found to interfere with reasonable success in his studies and provided he does not commit any breach of good conduct, he is continued in his position as long as he cares to hold it.

Great credit is due those willing to make the necessary sacrifices, nevertheless students are advised not to undertake

to earn money while pursuing their studies, unless such action is unavoidable. Proper attention to studies makes sufficient demand upon the time and energy of a student, without the burden of outside duties; such time as the studies leave free can be spent more profitably in recreation.

FELLOWSHIPS, SCHOLARSHIPS, AND LOAN FUNDS

FELLOWSHIPS.—In order to encourage young teachers to prepare themselves further for their work, three Teaching Fellowships, each paying $200.00 annually, have been established.

Application for a fellowship must be made in writing to the Dean of the Teachers College or to the President of the University. It must show that the applicant is a college graduate and has ability to profit by the work offered, and must be accompanied by testimonials as to his character.

A Fellow must devote himself to studies leading to the Master's degree in Education. He will be expected to teach four or five hours per week in the Normal School, under the direction and supervision of the Teachers College. He may be called upon for minor services, such as conducting examinations, but not for anything that would interfere with his graduate work.

SCHOLARSHIPS.—Thru the generosity of friends, the University is able to offer several scholarships. (See also College of Agriculture.) Application for a scholarship should be made to the President of the University and should be accompanied by a record of the student's work, statement of his need, and testimonials as to his character. To secure a scholarship:

(a) The student must actually need this financial help to enable him to attend the University.

(b) He must be of good character and habits and sufficiently far advanced to enter not lower than the freshman class.

1. *United Daughters of the Confederacy Scholarship.*—Established and maintained by the U. D. C. of the State at large. For the grandson of a Confederate soldier. Value $180.00.

2. *Kirby Smith Chapter, U. D. C., Scholarship.*—Established and maintained by the Kirby Smith Chapter, U. D. C.,

of Gainesville. For the lineal descendant of a Confederate veteran. Value $90.00.

3. *Jacksonville Chapter, U. D. C., Scholarship.*—Established and maintained by the Jacksonville Chapter, U. D. C. For the lineal descendant of a Confederate veteran. Value $180.00.

4. *Tampa Chapter, U. D. C., Scholarship.*—Established and maintained by the Tampa Chapter, U. D. C. For the lineal descendant of a Confederate veteran. Value $180.00.

5. *Katherine Livingstone Chapter, D. A. R., Scholarship.*—Established and maintained by the Katherine Livingstone Chapter, D. A. R., of Jacksonville. Value $250.00.

6. *Knight and Wall Scholarship.**—Established and maintained by the Knight and Wall Company, hardware dealers, of Tampa. Value $245.00.

7. *Arthur Ellis Ham Memorial Scholarship.*—See page 17.

8. *John B. Sutton Scholarship.*—See page 18.

9. *Gator Competitive Scholarships.*—The Gator Competitive Scholarship Club was organized to promote the best interests of the State by establishing scholarships for students who in their high-school days have distinguished themselves, but who are financially unable to attend college.

The Club makes awards of these scholarships thru its Scholarship Committee.

LOAN FUNDS.—The generosity of friends enables the University to lend a few needy students money with which to help defray their expenses. A joint note is to be made by the recipient of a loan and one responsible holder of property valued at not less than $1,000 over and above the exemption privilege. Interest on such loans is at the rate of 7% and is payable yearly, but does not begin until the first of July after graduation, or until one month after a non-graduating recipient has severed his connection with the University. The principal is to be repaid in annual instalments of $100 each, due at the time of interest payments.

Willoughby Memorial Loan Fund.—Established by Professor and Mrs. C. H. Willoughby in memory of their son

---

*For particulars, address the Superintendent of Public Instruction, Hillsboro County, Tampa, Fla.

Paul Willoughby, who died at the University in 1918 while a member of the S. A. T. C.; providing loans, each of $150 per year, to two advanced students in science, under conditions similar to those affecting loan funds offered by the University.

William Wilson Finley Foundation.—See under College of Agriculture.

State U. D. C. Foundation.—Loan to a lineal descendant of a Confederate soldier to an amount not exceeding $100 per year.

Rotary Loan Fund.—The University here wishes to make manifest its appreciation of the great interest shown in higher education by the Rotarians of Florida, who have set aside a considerable sum of money to be used in making loans to poor boys who otherwise would not be able to attend college. This loan fund was not established in order to benefit the University of Florida as such, but to advance the whole State by helping in the development of such of its youth as are capable of leadership. No action could be more patriotic, none more worthy of praise.

Applications for loans should not be made to the University, but to the President of the Gainesville Rotary Club or to Mr. John Turner, Vice-President International Rotary, Tampa, Florida.

ALUMNI ASSOCIATION

At the close of their Commencement exercises the class of 1906 organized an Alumni Association. All graduates of the University *and the graduates of the former institutions who have had their diplomas confirmed by the University* are eligible for membership.

Further information concerning the Association may be obtained from any one of the officers: President, Roswell King, Jacksonville; Vice-President, Jay L. Hearin, Quincy; Secretary and Treasurer, B. R. Colson, Gainesville.

STUDENT ORGANIZATIONS AND PUBLICATIONS

ORGANIZATIONS.—Practically every interest of the student-body has a student-controlled organization, but with faculty supervision, for its support. Some of these organizations are

mainly religious in character, some social, others purely literary or scientific, still others combine social with other features. Hence there are athletic clubs, in addition to the general Athletic Association of the University; associations of men who have distinguished themselves or who are greatly interested in some activity or study, as, e. g., a Military Club, a Monogram Club, honor societies in Agriculture, in Law, in Debating, in Chemistry, etc.; and a Rehabilitation Club. Among those worthy of special mention are the following:

ATHLETIC ASSOCIATION.—This association, composed of the entire student body, has charge of all major and minor sports, under faculty supervision and subject to the rules and regulations of the Southern Intercollegiate Conference.

Y. M. C. A.—The Y. M. C. A., under the leadership of the General Secretary, seeks to promote the ideal of the University, that every man should have a strong body, a trained mind, and a Christian experience in order that he may go forth prepared to meet the problems of life.

Clean, wholesome athletics is fostered, efficiency in the classroom urged, and systematic Bible study promoted. The best available ministers and laymen are brought before the students to the end that the latter may become acquainted with the problems of today.

The Y. M. C. A., in carrying forward this work, deserves the support of every student, alumnus, and parent.

Honor Committee.—In order to carry out the spirit of the "Honor System," which has been in operation at the University for years, each class elects one of its members to represent it on the Student Honor Committee. This committee strives in every way possible to promote among the students honesty in all their work and conducts a fair trial in the rare cases of breaches of the system. Its verdict is final, but is kept secret from all save those concerned.

Literary and Scientific Societies.—See General Statement of each of the five colleges of the University.

Debating Council.—The Debating Council, composed of one representative from each of the Literary Societies, has general charge both of intersociety and of intercollegiate debates. Under its direction a debating contest is held annually between members of each of the five colleges of the University. The winning team gains possession of the Faculty Loving Cup

for the ensuing year; three successive victories entitle the society furnishing the debaters to permanent ownership.

Teams representing the University debate annually against teams from the University of South Carolina, the University of Tennessee, and the Louisiana State University. In 1922 a debate was held by the College of Agriculture with the College of Agriculture of the University of Georgia.

Cosmopolitan Club.—The students of foreign nationality, together with a few Americans, organized in 1918 a club for the purpose of promoting international understanding and friendship. Under its auspices addresses are frequently made, describing customs and institutions of foreign countries.

Orchestra.—The orchestra plays for Chapel exercises and furnishes special music on Fridays.

Glee and Mandolin and Guitar Clubs.—The Glee Club develops ability in part-singing and gives much pleasure by adding variety to the Friday morning exercises. The Mandolin and Guitar Club, while complete in itself, joins the Glee Club in its annual tour.

Military Band.—The Military Band adds much to the effectiveness of parades. It makes several excursions during the year to neighboring towns. The instruments, valued at over $6,000, are furnished by the War Department.

The Masqueraders.—This dramatic association fosters in its members an appreciation of the drama, and seeks to develop personal power in expression. It stages annually at Gainesville, and at other points in the State, an original play.

PUBLICATIONS.—Beginning with the session of 1909-10 each junior (or senior) class has published an illustrated annual, known as the *"Seminole"*.

The *"Florida Alligator"* is a weekly newspaper owned and controlled by the student-body. Its editorial articles discuss University problems from the viewpoint of the undergraduates. It seeks the support of the alumni, who find in it the best means of keeping in touch with the University.

ADMISSION

TERMS.—A candidate for admission must present, along with his scholastic record, a certificate of good moral character. If he be from another college or university, this certificate must show that he was honorably discharged.

No candidate of less than 16 (18 in the College of Law) years of age will be admitted.

METHODS.—There are two methods of gaining admission:

(1) *By Certificate.*—The University will accept certificates from the approved senior high schools and from accredited academies and preparatory schools of Florida, and from any secondary school elsewhere which is accredited by its state university.

The certificate must be officially signed by the principal of the school attended, and *must be presented to the Committee on Admission on or before the date on which the candidate wishes to be matriculated.* It must state in detail the work of preparation and, in the case of Florida high schools, that the course *thru the twelfth grade* has been satisfactorily completed.

Blank certificates, conveniently arranged for the desired data, will be sent to all high-school principals and, upon application, to prospective students.

(2) *By Examination.*—Candidates not admitted by certificate will be required to stand written examinations upon the entrance subjects. For dates of these examinations, see University Calendar, page 3.

REQUIREMENTS. — *"Entrance Units."* — The requirements for admission are measured in "Entrance Units," based upon the curriculum of the high schools of Florida. A unit represents a course of study pursued thruout the school year with five recitation periods (two laboratory periods being counted as one recitation period) of at least forty-five minutes each per week, four courses being taken during each of the four years. Thus the curriculum of the standard senior high school of Florida is equivalent to sixteen units.

Number of Units.—Admission to the freshman class will be granted to candidates who present evidence of having completed courses amounting to sixteen such units.

In no case will credit for more than sixteen units be given for work done at a high school.

Deficiency.—A deficiency of one unit will be allowed, but must be removed by the end of the first year after admission. For admission to the College of Engineering such deficiency must be in an elective, and not in a required subject.

Students who have registered for a University study will

not be allowed to make up an entrance condition by examination in this subject, unless the examination be taken on the first Saturday in October of the same school year. The University credit may, however, be used as a substitute for entrance credit, a three-hour course continued thruout the year counting as one unit.

Distribution of Units.—Seven and a half specified units are required in common by all the colleges of the University; other specified units are given below; the remaining units are elective.

UNIVERSITY

English	3	units
History	1	unit
Mathematics	2½	units
*Science	1	unit

COLLEGE OF ARTS AND SCIENCES
COLLEGE OF AGRICULTURE†
TEACHERS COLLEGE

A. B. Curriculum

Latin	2	units

A. B. S. S. Curriculum

One Foreign Language	2	units

B. S. Curriculum

One Foreign Language or History and Science	2	units

COLLEGE OF ENGINEERING

Mathematics	1½	units

ELECTIVE UNITS.—Elective units are to be chosen from among the subjects regularly taught in a standard high school, altho not more than four will be accepted in vocational subjects—agriculture, mechanic arts, stenography, typewriting, etc. Under exceptional circumstances practical experience in engineering work may be accepted by the College of Engineering in lieu of not more than four elective units.

---

*For the College of Engineering the Science must be Physics.

†A. B. Curriculum not offered in College of Agriculture.

DESCRIPTION OF UNIT COURSES

The minimum requirements for the specified units, and for the elective units most frequently offered, are as follows:

BOTANY.—One-half or one unit.—Anatomy and morphology; physiology; ecology; natural history and classification of the plant groups. At least twice as much time should be given by the student to laboratory work as to recitation.

CHEMISTRY (PHYSICS).—One unit.—Study of a standard high-school text; lecture-table demonstrations; individual laboratory work, comprising at least thirty exercises from a recognized manual.

ENGINEERING PRACTICE.—Four units.—Regular commercial work for pay in engineering, or in related subjects, may be recognized for entrance credit at the discretion of the faculty of the College of Engineering. The candidate must submit a written statement from his employer, giving the nature and quality of the work done and the date of beginning and of ending. For each unit allowed twelve months of work will be required.

ENGLISH.—Four units.—The exercises in Composition and the use of the Classics should be continued thruout the whole period of preparation. No candidate will be accepted whose work is notably defective in spelling, punctuation, division into paragraphs, or idiom.

(1) *Grammar.*—English Grammar, both in its technical aspects and in its bearings upon speech and writing.

(2) *Composition and Rhetoric.*—The fundamental principles of Rhetoric as given in any standard high-school text; practice in Composition, oral and written.

(3) *Classics.*—The English Classics generally adopted by schools and colleges.

(4) *History of American Literature; History of English Literature.*—One unit.—Supposed to represent the work of the fourth year in English in the high school.

HISTORY.—Four units.

(1)	Ancient History, with particular reference to Greece and to Rome	1 unit
(2)	European History since Charlemagne	1 unit
(3)	English History	1 unit
(4)	American History	1 unit

A year's work based on a textbook of at least 300 pages is required for each unit. The student should know something

of the author of the textbook used and give evidence of having consulted some works of reference.

LATIN.—Four units.—The minimum work required is:

(1) First Year.—One unit.—Completion of Collar & Daniell's First Year Latin, Potter's Elementary Latin Course, or other good first-year book.

(2) Second Year.—One unit.—Four books of Caesar's Gallic War; grammar and prose composition thruout the year.

(3) Third Year.—One unit.—Six of Cicero's Orations; grammar and prose composition thruout the year.

(4) Fourth year.—One unit.—The first six books of the Aeneid and as much prosody as relates to accent, versification in general, and to dactylic hexameter.

MATHEMATICS.—Four units.

(1) *Algebra.* — First Year. — One unit. — Elementary operations: factoring, highest common factor, least common multiple, fractions, simple equations, inequalities, involution, evolution, and numerical quadratics.

(2) *Algebra.* — Second Year. — One unit. — Quadratic equations, ratio and proportion, the progressions, imaginary quantities, the binomial theorem, logarithms, and graphic algebra.

(3) *Plane Geometry.*—One unit.

(4) *Solid Geometry.*—One-half unit.

(5) *Plane Trigonometry.*—One-half unit.

MODERN LANGUAGES.—Two units.—If the student offers only one unit, he must study the language a second year in the University.

First Year.—One unit.—Pronunciation; grammar; from 100 to 175 pages of graduated texts, with practice in translating into the foreign language variations of sentences read; dictation; memorizing of short selections.

Second Year.—From 250 to 400 pages of easy prose; translation into the foreign language of variations upon the texts read; abstracts; grammar; exercises; memorizing of short poems.

PHYSICAL GEOGRAPHY.—One unit.—Study of a standard high-school text, together with laboratory and field course.

PHYSICS.—Requirements similar to those for chemistry, which see.

ZOOLOGY.— One-half or one unit.— Study of a standard high-school text and dissection of at least ten specimens. Notebooks with drawings, showing the character of the work completed, must be presented on entrance to the University.

ADVANCED STANDING

Advanced standing will be granted only upon recommendation of the heads of the departments concerned. Fitness for advanced work may be determined by examination or by trial. Students from other institutions of like standing will ordinarily be classified according to the ground already covered.

ORGANIZATION

I. THE GRADUATE SCHOOL.

II. THE COLLEGE OF ARTS AND SCIENCES:

(a) A Curriculum leading to the A. B. degree.
(b) A Curriculum leading to the degree of A.B. in the Social Sciences.
(c) A Curriculum leading to the B. S. degree.
(d) A Pre-Medical Course.
(e) School of Pharmacy.

III. THE COLLEGE OF AGRICULTURE:

Instructional Division:

(a) A Curriculum leading to the B. S. degree in Agriculture.
(b) A Curriculum leading to the title Graduate in Farming.
(c) A Two-Year Course.
(d) A One-Year Course.
(e) A Four-Months' Course.

Experiment Station Division.
Extension Division.

IV. THE COLLEGE OF ENGINEERING:

(a) A Curriculum leading to the B. S. degree in Civil Engineering.
(b) A Curriculum leading to the B. S. degree in Electrical Engineering.
(c) A Curriculum leading to the B. S. degree in Mechanical Engineering.
(d) A Curriculum leading to the B. S. degree in Chemical Engineering.

V. THE COLLEGE OF LAW:

A Curriculum leading to the LL.B. or J. D. degree.

VI. THE TEACHERS COLLEGE AND NORMAL SCHOOL:

(a) A Curriculum leading to the A. B. degree in Education.
(b) A Curriculum leading to the B. S. degree in Education.
(c) A Normal Course leading to a Diploma.
(d) The University Summer Schools.

VII. GENERAL (Connected with at least four Colleges):

Division of Hygiene.
Division of Athletic Coaching and Physical Education.
Division of Military Instruction.
Division of Rehabilitation.

VIII. GENERAL EXTENSION DIVISION.

GRADUATE SCHOOL

ORGANIZATION.—This School is under the direction of the Committee on Graduate Studies, which consists of Professors Anderson, Benton, Farr, Newell, Norman, and Trusler.

Graduate students should register with the Chairman of this Committee.

DEGREES OFFERED.—Courses are offered leading to the degrees of Master of Arts, Master of Arts in Education, Master of Science, Master of Science in Agriculture, and Master of Science in Education.

PREREQUISITE DEGREE.—Candidates for the Master's degree must possess the Bachelor's degree of this institution or of one of like standing.

APPLICATIONS.—Candidates for the Master's degree must present to the Chairman of the Committee on Graduate Studies a written application for the degree not later than the first of November of the scholastic year in which the degree is desired. This application must name the major and minor subjects offered for the degree and must contain the signed approval of the heads of the departments concerned.

When a candidate offers as a part of his work any course not sufficiently described in the catalog, he must include in his application an outline or description of that course.

TIME REQUIRED.—The student must spend at least one entire academic year in residence at the University as a graduate student, devoting his full time to the pursuit of his studies.

WORK REQUIRED.—The work is twelve hours per week. Six hours of this work must be in one subject (the major) and of a higher grade than any course offered for undergraduate students in that subject. The other six hours (the minor or minors) are to be determined and distributed by the professor in charge of the department in which the major subject is selected. No course designed primarily for students of a lower grade than the junior class will be acceptable as a minor. While the major course is six hours, these hours are not the same as undergraduate work, for in general the major work will require at least two-thirds of the student's time.

To obtain credit for a minor the student must attain a grade of not less than eighty-five per cent.

DISSERTATION.—It is customary to require a dissertation showing original research and independent thinking on some subject accepted by the professor under whom the major work is taken. This dissertation must be in the hands of the committee not later than two weeks before Commencement Day.

SUMMER SCHOOL.—Four complete summer terms devoted entirely to graduate work will satisfy the time requirement.

The application must be presented by the middle of the first term.

COLLEGE OF ARTS AND SCIENCES

JAS. N. ANDERSON, *Dean*

FACULTY.—Jas. N. Anderson, E. C. Beck*, W. H. Beisler, J. R. Benton, A. P. Black, L. M. Bristol, L. W. Buchholz, M. D. Cody, C. L. Crow, H. O. Enwall, J. M. Farr, W. R. Hale, W. J. Husa, J. M. Leake, T. R. Leigh, J. P. Little, W. S. Perry, C. A. Robertson, J. S. Rogers, T. M. Simpson, A. W. Sweet, J. Weil.

GENERAL STATEMENT

AIM AND SCOPE.—The tendency of universities at the present time seems to be to reach out their arms farther and farther into the domain of knowledge and to become more and more places where the student may expect to be able to acquire any form of useful knowledge in which he may be interested. In the center, however, there is still found the College of Arts and Sciences, the pulsating heart, as it were, sending its vivifying streams to the outermost tips of the institution.

The aim of the college is to prepare for life, it is true, but not so directly and immediately as do the professional schools. It is a longer, but a better road, for those who are able to travel it, to distinction and ultimate success in almost any calling. Especially in the case of the learned professions, it is becoming clearer that a man must first get a liberal education, if possible, before entering upon his professional studies.

The purpose and aim of the College of Arts and Sciences is to impart culture and refinement, to train the mind and strengthen the intellect, to build up ideals and establish the character, to enlarge the vision, to ennoble the thoughts, to increase the appreciation of the beautiful and the true, to add charm to life and piquancy to companionship, to make the man a decent fellow, a useful citizen, an influential member of society in whatever community he may be thrown, in whatever field his life-course may be run.

But if the student wishes to examine the practical side exclusively, he will find that there is also something practical in all these courses. For instance, they are all valuable for him who wishes to learn to teach those subjects. Moreover,

*Leave of absence, 1922-23.

the use of electives gives the student an opportunity to specialize in some branch according to his inclination and in furtherance of his plans.

ADMISSION.—For full description of requirements for admission and of unit courses, see pages 44 to 49, inclusive.

LITERARY SOCIETIES.—The Literary Societies are valuable adjuncts to the educational work of the College. They are conducted entirely by the students and maintain a high level of endeavor. The members obtain much practical experience in the conduct of public assemblies. They assimilate knowledge of parliamentary law, acquire ease and grace of delivery, learn to argue with coolness of thought and courtesy of manner, and are trained in thinking and in presenting their thoughts clearly and effectively while facing an audience. All students are earnestly advised to connect themselves with one of these societies and to take a constant and active part in its work.

CHEMICAL SOCIETY.—The Flint Chemical Society is organized by and for the students of the department of chemistry. The purpose of the society is to stimulate the interest of the beginning student of chemistry by giving him a correct idea of the broadness of the field and its far-reaching importance in the arts and industry. Those students who are so inclined are thus encouraged to continue the study of chemistry. The programs consist of lectures by various members of the faculty, by advanced students of the department, and by outside speakers when they can be secured. An open forum is held at intervals when all members take part in the discussion. Motion pictures are used to good advantage to illustrate the application of chemical principles in various important industries. There are no restrictions as to membership, all chemistry students being urged to affiliate with it and attend its programs. It meets on alternate Wednesday evenings during the college year.

DEGREES.—The College of Arts and Sciences offers courses leading to the degrees of Bachelor of Arts (A.B.), Bachelor of Arts in the Social Sciences (A.B.S.S.), and Bachelor of Science (B.S.).

SUBJECTS OF STUDY.—The subjects of study leading towards the degrees offered by the College of Arts and Sciences are divided into the following four groups:

I.	II.	III.	IV.
Military Science	French	Bible	Agriculture
Physical Education	Greek	Economics	Astronomy
	Latin	Education	Bacteriology
	Spanish	English Language and Literature	Biology
		History	Botany
		Philosophy	Chemistry
		Political Science	Drawing
		Psychology	Descriptive Geometry
		Sociology	Geology
			Mathematics
			Mechanics
			Physics
			Physiology
			Surveying
			Zoology

REQUIREMENTS FOR DEGREES.—For each of the degrees offered, A.B., A.B.S.S., and B.S., there must be taken a total of sixty-eight hours, of which at least the last fifteen hours must be pursued in residence at this University.

For the A.B. degree six hours must be taken in Group I, twelve hours in each of groups II and IV, and eighteen hours in group III; four hours may be taken in any group; the remaining sixteen hours (including the "major") must be chosen from groups II and III and (pure) mathematics. In group II two courses of a grade as high as I must be taken.

For the A.B.S.S. degree the "major" must consist of nine hours (not counting the freshman work) either in the Department of History and Political Science* or in the Department of Sociology and Economics*; six hours must be selected from Group II, twenty-one hours (not including the freshman work) from Group III, and twelve hours from Group IV; a part of the free electives may be taken from courses offered in other colleges of the University with the consent of the Deans involved and with the approval of the Head of the Department in which the "major" falls.

The A.B.S.S. degree probably will not be conferred until 1924.

For the B.S. degree eight hours must be taken in group I, nine hours in group II (three of which must be in a course as high as I), fifteen hours in group III, and twenty-four hours (including the "major") from group IV; the remaining twelve may be chosen from any group or groups.

*It will be noted that students registered for the regular A.B. degree may major in either of these departments.

The "major" must consist of nine hours in one department (not counting the Freshman work) and must be approved by the head of the department chosen. The choice of electives must meet with the approval of the Dean.

COMBINED ACADEMIC AND LAW COURSE.—For not more than twelve of the free elective hours required for any of the Bachelor's degrees conferred by the College of Arts and Sciences there may be substituted an equal number of hours from the first year of the College of Law.

The Bachelor's degree in Arts or Science will not be conferred, however, upon a candidate offering twelve hours in Law until he has satisfactorily completed the second year of the course in the College of Law.

MINIMUM AND MAXIMUM HOURS.—The student must take at least fourteen hours of work (not including Military Drill and Physical Education) and in general will not be permitted to take more than eighteen; but if in the preceding semester he has attained an average of eighty-seven or more and has not failed in any subject he may be permitted to take as many as twenty-one hours, and if he has attained an average of ninety with no failures he may be permitted to take as many as twenty-three hours.

PRE-MEDICAL COURSE.—Students intending to study medicine are advised to take the regular B.S. course. Inasmuch, however, as many students are unable to spend four years on a non-professional course, the University offers a Two-Year Pre-Medical course.

CURRICULUM

Leading to the Degree of Bachelor of Arts

Freshman Year

NAMES OF COURSES	NATURE OF WORK	HOURS PER WEEK
English I	Rhetoric	3
English II	Introduction to Literature	2
Foreign Language I	French, Greek, Latin, or Spanish	3
†History I	Medieval History	3
Mathematics I	Trigonometry, College Algebra, Plane Analytical Geometry	3
*Military Science and Drill I.	Regulations and Drill	2
Physical Education I		1
		17

*Students excused from Military Science and Drill must substitute for it some two-hour course to be approved by the Dean.

†Greek may be substituted, in which case History I must be taken in the sophomore year.

Sophomore Year

Names of Courses	Hours per Week
Biology I*a* and III*b* or Chemistry I or Physics I and II or Physics V	5
Group II	3
Group III	3
Group II or III or IV	3
*Military Science and Drill II	2
Physical Education II	1
	17

CURRICULUM

Leading to the degree of Bachelor of Arts in the Social Sciences.

Freshman Year

Names of Courses	Hours per Week
English I	3
Sociology A*a* and Economics B*b*	3
Foreign Language	3
History I or Political Science I	3
Mathematics I	3
*Military Science and Drill I	2
Physical Education I	1
	18

Sophomore Year

Chemistry I or Physics I and II or V or Biology I*a* and III*b*	5
Group II	3
Group III	3
Group II, III or IV	3
*Military Science and Drill II	2
Physical Education II	1
	17

*Students excused from Military Science and Drill must substitute for it some two-hour course to be approved by the Dean.

CURRICULUM

Leading to the Degree of Bachelor of Science

Freshman Year

Names of Courses	Nature of Work	Hours per Week
Chemistry I	General Chemistry	5
English I	Rhetoric	3
Foreign Language	French, Greek, Latin, or Spanish	3
Mathematics I	Trigonometry, College Algebra, Plane Analytical Geometry	3
*Military Science and Drill I.	Regulations and Drill	2
Physical Education I		1
		17

Sophomore Year

Biology I*a* and III*b* or Physics I and II or Physics V	5
Group II	3
Group III	3
Group II, III, or IV	3
*Military Science and Drill II	2
Physical Education II	1
	17

In the Junior and Senior years candidates for either of the degrees offered must choose their studies so as to conform to the general "Requirements for Degrees" of this college.

CURRICULUM

Two-Year Pre-Medical Course

First Year

Names of Courses	Nature of Work	Hours per Week
Biology I*a* and III*b*	General Course	5
Chemistry I	General Chemistry	5
English I	Rhetoric	3
Foreign Language I	Elementary Course	3
*Military Science and Drill I.	Regulations and Drill	2
Physical Education I		1
		19

Second Year

Advanced Biology	3
Chemistry III and V	8
Physics I and II or Physics V	5
*Military Science and Drill II	2
Physical Education II	1
	19

*Students excused from Military Science and Drill must substitute for it some two-hour course to be approved by the Dean.

DEPARTMENTS OF INSTRUCTION

ANCIENT LANGUAGES

Professor Anderson

The study of the classics contributes largely to general culture. In addition to the recognized and peculiar disciplinary value of such studies and their conspicuous service in cultivating the literary sense and developing literary taste, they have a more immediate value and office as aids to the comprehension and interpretation of modern languages and literatures. A thoro study and a full understanding of the modern languages, especially the Romance languages and our own tongue, demand a considerable preliminary acquaintance with Latin and Greek. Thus from two points of view, that of their own intrinsic beauty and value as culture studies and that of aids to the study of other languages, Latin and Greek command our attention and call for a large place in any curriculum which proposes to issue in a liberal education.

Courses A, B, and C, if not used for entrance units, may be taken for college credit.

LATIN

LATIN A.—First Year Latin, based on a book for beginners. *(3 hours.)*

LATIN B.—Second Year Latin, based on Caesar, with grammar and prose composition. *(3 hours.)*

LATIN C.—Third Year Latin, based on Cicero and Virgil, with grammar and prose composition. *(3 hours.)*

LATIN I.—Ovid, about 2,000 verses selected from his various works, but mainly from the Metamorphoses; Versification, with especial reference to the Dactylic Hexameter and Pentameter; Cicero's De Senectute and De Amicitia. A rapid review of forms and the principal rules of Syntax; a short weekly exercise in prose composition. *(3 hours.)*

LATIN II.—Selections from the Roman historians, especially Livy and Sallust, and from the Satires, Epistles, Odes, and Epodes of Horace, with a study of the Horation Metres. *(3 hours.)*

LATIN III.—Juvenal's Satires, with some omissions; Tacitus, parts of the Histories or Annals; selections from Catullus, Tibullus, Propertius, and Ovid. *(3 hours.)*

LATIN IV.—Several plays of Plautus and Terence; Tacitus, Germania and Agricola; selections from Seneca, Gellius, and Quintilian. *(3 hours.)*

LATIN V*b*.—History of Roman Literature, preceded by a short study of Roman Life and Customs. *(Second semester; 3 hours.)*

LATIN VI.—Grammar and Prose Composition: an intermediate course in Prose Composition adapted to the needs of students taking Latin I or II and consisting of weekly written exercises and some oral work; in connection with this there will be a general review of Latin Grammar with some more advanced work, both in forms and syntax. *(2 hours.)*

LATIN VII.—Advanced Prose Composition: a continuation of Latin VI, open only to those students who have completed Latin VI or equivalent. *(2 hours.)*

GREEK

GREEK A.—The forms and most important principles of the syntax; numerous exercises, partly oral, partly written, and some practice in conversation and sight reading. One book of Xenophon's Anabasis, with exercises in Prose Composition and study of the Grammar. *(3 hours.)*

GREEK I.—Xenophon's Anabasis, Books II, III, and IV, selections from Lucian and the easier dialogues of Plato; sight translation; Prose Composition; Grammar. *(3 hours.)*

GREEK II.—Select orations of Lysias or other Attic orators, with informal talks on Athenian Laws and Customs; parts of the Iliad and Odyssey of Homer; Prosody. *(3 hours.)*

GREEK III.—Selections from the Greek historians, especially Herodotus and Thucydides; from the Greek dramatists, especially Euripides and Sophocles; from the lyric fragments of Alcaeus, Sappho, etc. *(3 hours.)*

GREEK IV*a*.—History of Greek Literature, preceded by a short study of Greek Life and Customs. A knowledge of the Greek language is highly desirable, but is not required for this course. *(First semester; 3 hours.)*

GREEK V.—Grammar and Prose Composition: an intermediate course in Prose Composition adapted to the needs of students taking Greek II or III and consisting of weekly written exercises and some oral work; in connection with this

there will be a general review of Greek Grammar with some more advanced work, both in forms and syntax. *(2 hours.)*

GREEK VI.—Selections from the Septuagint and from the New Testament; class and parallel translations; vocabulary, grammar, and stylistic features stressed. *(3 hours.)*

BIBLICAL INSTRUCTION

Professor Buchholz

The following courses are offered to Juniors and Seniors, embracing such aspects of Biblical study as the University is prepared to give, with a view to providing a major subject in the Bachelor of Arts curriculum that will permit students to begin preparation for work as secretary or physical director of the Y. M. C. A., for welfare work in mills or social settlements, or for the ministry. The courses offered will be conducted by the instructors in the departments under which the various aspects of the subject naturally fall and will be given in a spirit free from sectarianism.

BIBLE I.—*Old Testament History.*—The history of the Israelitish nation as narrated in the books of the Old Testament; the connections between sacred and profane history. The aim is to give the student some conception of the development of the cultural, ethical, and spiritual life of the nation.. *(3 hours thruout the year. Professor Buchholz.)*

BIBLE II.—*New Testament History.*—The period from Herod the Great to the death of John the Evangelist, with special attention to the life of Christ and the development of the early church. Lectures, Bible readings, textbook. *(3 hours thruout the year. Professor Buchholz.)*

BIBLE III.—*The English Bible as Literature.*— Literary types found in the Bible and the excellence of the work as compared with other great examples of literature. The diction of the 1611 version will be contrasted with that of other translations and its effect upon English literature will be demonstrated. *(Professor Farr.)*

BIBLE IV.— *Old and New Testament Greek.*— See Greek VI. *(3 hours. Professor Anderson.)*

BIBLE V.—*The Bible as an Ethical and Religious Guide.*— Those parts of the Old and New Testament which bring out most vividly and directly the moral and religious elements will receive most attention. The aim is to give the student a keen

appreciation of the Bible as the best guide for human conduct. Lectures, Bible readings, studies of great sermons, textbooks on Evidences of Christianity. *(3 hours.)*

BIOLOGY AND GEOLOGY

Professor Rogers
Associate Professor Cody*
Associate Professor.....
Acting Assistant Professor Thone
Mr. Hubbell

BIOLOGY

The courses offered in biology fall into two main groups: 1, courses in animal biology or zoology, designated by odd numbers below; and 2, courses in botany and bacteriology, designated by even numbers. A major in biology may be selected from either or both of the above groups.

For a description of the laboratories and general equipment of this department, see pages 26 and 27.

BIOLOGY I*a*.—*Principles of Animal Biology*.—This course is an introduction to the principles and subject matter of biology with special reference to animal life. *(2 lectures, 2 laboratory and 1 recitation periods per week; 5 hours; laboratory fee $3.50.)*

BIOLOGY II.—*General Botany*.—The structure and physiology of the seed plants; structure and phylogeny of the algae, fungi, mosses and ferns; ecology and classification of the local flora. *(2 class and 2 laboratory periods per week; 4 hours; laboratory fee $3.50 per semester.)*

BIOLOGY III*b*.—*The Biology of the Frog*.—This course, by the detailed study of a typical vertebrate, attempts to present a concrete introduction to morphology, physiology and embryology as related studies of the living animal. *(Prerequisite: Biol. Ia. 2 lectures, 2 laboratory and 1 recitation periods per week; 5 hours; laboratory fee $3.50.)*

BIOLOGY IV*a*.—*Plant Physiology*.—The fundamental processes of the living plant, including absorption, transpiration, respiration, assimilation and growth. *(Prerequisite: Biol. II. 2 class and 2 laboratory periods per week; 4 hours; laboratory fee $3.50.)*

BIOLOGY V.—*Entomology*.—The structure, classification, development and ecology of the insects and other arthropods.

---

*Leave of absence for 1923-24.

(Prerequisite: Biol. Ia. 1 class and 2 laboratory periods per week; 3 hours; laboratory fee $2.50 per semester.)

BIOLOGY VI*a*.—*General Bacteriology*.—The morphology, physiology and cultivation of bacteria and related microorganisms. *(Prerequisites: Biol. II or Ia and IIIb, Chem. I; Corequisite: Chem. IVa or V. 2 class and 2 laboratory periods; 4 hours; laboratory fee $5.00.)*

BIOLOGY VI*bb*.—*Agricultural Bacteriology*.—This course is a continuation of VIa for Agricultural Students. Special attention will be given to the relationship of microorganisms to the soil, milk and its products, and the common stock diseases. *(Prerequisite: Biol. VIa. 2 class and 2 laboratory periods per week; 4 hours; laboratory fee $5.00.)*

BIOLOGY VI*s*.—*Sanitary Bacteriology*.—This course is offered for Pre-Medical students and others interested in the pathogenic bacteria. *(Prerequisite: Biol. VIa. 4 hours; class and laboratory periods to be arranged; laboratory fee $5.00.)*

BIOLOGY VII*a*.—*Embryology*.—The principles of general embryology, with special attention to the development of the vertebrates. *(Prerequisites: Biol. Ia and IIIb. 2 class and 2 laboratory periods per week; 4 hours; laboratory fee $5.00.)*

BIOLOGY VII*b*.—*Vertebrate Anatomy*.—This course will deal with the detailed anatomy of the cat in 1923-24, comparative anatomy of the vertebrates in 1924-25. Much attention will be given to the technique of dissection. *(Prerequisites: Biol. IIIb and VIIa. 1 class period and 9 scheduled hours of laboratory work; 5 hours; laboratory fee $5.00.)*

BIOLOGY VIII, *a, or b*.—*The Local Flora*.—The collection, mounting, and classification of the common seed plants of the Gainesville region. *(This course can be elected only by the instructor's permission. Prerequisite: Biol. II. Class, laboratory or field periods, and credit to be arranged; laboratory fee $2.50.)*

BIOLOGY IX.—*Zoological Technique*.—Methods of macroscopic and microscopic preparations; photography and chart making; collection, culturing and preservation of laboratory animals. This course is offered for students who intend to teach biology or look forward to advanced work in biology. *(This course can be elected only by instructor's permission;*

1 class period and 6 actual hours of laboratory or field work per week; laboratory fee $5.00.)

BIOLOGY X*ab*.—*Methods in Plant Histology* (not given in 1923-24).

BIOLOGY XI*a*.—*Applied Entomology*.—The recognition, life histories, and methods of control of injurious insects. This course is devoted to field and laboratory study of forms that attack Florida fruit, truck and field crops. *(Prerequisite: Biology V. 1 class and 2 field or laboratory periods; 3 hours; laboratory fee $2.50.)*

BIOLOGY XII*b*.—*Plant Pathology*.—The morphology and life histories of the principal fungi and lower bryophytes that are associated with plant disease. Diagnosis and treatment of plant diseases. *(Prerequisite: Biol. IVa and VIa. 2 class and 2 laboratory periods per week; 4 hours; laboratory fee $5.00.)*

BIOLOGY XIII*b*.—*Genetics*.—The phenomena of variation and inheritance. The last weeks of this course will deal with the data and questions of human heredity. *(Prerequisite: Biol. Ia. 2 class and 1 laboratory periods per week; 3 hours; laboratory fee $2.50.)*

BIOLOGY *XIV*.—*Applied Plant Pathology*.—Practical methods of combating fungus and bacterial diseases of Florida grove, truck and field plants. Signs of infection, diagnosis, means of transmission, and methods of control. Practical work on sprays and spraying will form a part of the course. *(Prerequisite: Biol. XIIb. 1 class and 2 field or laboratory periods per week; 3 hours; laboratory fee $3.50 per semester.)*

BIOLOGY *XV*.—*Advanced Work in Biology*.—This is offered to students particularly interested in biological questions and prepared to pursue such work with profit. The work may be in the nature of advanced course work or simple problems as an introduction to research. Possible lines of study that can be offered are: The ecology of local animals or definite local habitats; the taxonomy of certain groups of vertebrates and invertebrates; advanced embryology; advanced work in pure or applied entomology. *(This course can be elected only by permission of the instructor; hours of work and of credit to be arranged; laboratory fee $2.50 to $5.00 per semester, depending upon the nature of the work.)*

GEOLOGY

GEOLOGY I*a*.—*Physical Geology*.—Given as an introduction to dynamical and structural geology. *(3 class periods per week; 3 hours.)*

CHEMISTRY

Professor Leigh
Associate Professor Beisler
Associate Professor Black
Assistant Professor.....

The object of the department of chemistry is two-fold. It offers to the general student an opportunity to become acquainted with the fundamental principles of the science and gives him practice in the methods employed in chemical laboratories. For the student who intends to specialize in any branch of chemistry, the department offers superior advantages. A student may pursue courses in the pure sciences, in chemical engineering, or agricultural chemistry. These courses are designed to prepare men for either professional or industrial work. The chemical library contains a growing collection of reference books and journals, which will meet the requirements of students especially interested in chemistry.

The Flint Chemical Society, a voluntary association of students in this department, is described on page 54.

CHEMISTRY I.—*General Chemistry*.—This course is designed for Freshmen. It consists of three lectures or recitations and two laboratory exercises of two hours each given each week thruout the year. The fundamental laws and theories of chemistry, and the preparation and properties of the common elements and their compounds are studied. Emphasis is placed upon the intelligent writing of equations, and the solving of problems. *(First and second semesters; 5 hours; laboratory fee $5.00 for each semester.)*

CHEMISTRY II*a*.—See Agricultural Chemistry.

CHEMISTRY III.—*Qualitative Analysis*.—This course includes the general reactions of the metals and acids, with their qualitative separation and identification. It consists of one lecture and five hours laboratory work each week thruout the year. *(Prerequisite: Chemistry I. First and second semesters; 3 hours; laboratory fee $5.00 for each semester.)*

CHEMISTRY III*e*.—See Chemical Engineering.

CHEMISTRY IV*ab*.—See Agricultural Chemistry.

CHEMISTRY V.—*Organic Chemistry.*—Three lectures or recitations and four hours laboratory work are given each week, including a study of the preparation, properties, and reactions of various classes of aliphatic and aromatic compounds. Special stress is laid upon the theories underlying the subject and the proof of the constitution of the most important substances studied. Attention is given to the consideration of the effect of constitution on physical and chemical properties, and to the application of the electronic theory to organic compounds. This course is arranged to meet the needs of those who specialize in chemistry, in pharmacy, in medicine, or in biology. It serves as a general introductory to specialized phases of organic chemistry. *(Prerequisite: Chemistry I. 5 hours; laboratory fee $5.00 for each semester.)*

CHEMISTRY VI.—*Industrial Chemistry.*—See Chemical Engineering.

CHEMISTRY VII*a*. — *Quantitative Analysis.* — Volumetric methods in acidimetry and alkalimetry, oxidation and reduction, iodimetry, and precipitation. Lectures and laboratory hours are the same as for Chemistry VII*b*. *(Prerequisites: Chemistry I and III. 3 hours; laboratory fee $5.00.)*

CHEMISTRY VII*b*.—*Quantitative Analysis.* — Gravimetric analysis of simple compounds, followed by the analysis of such materials as phosphate rock, simple alloys, limestone and Portland cement. One lecture or recitation on the theory and practice of Stoichiometric calculations and the use of logarithmic factors, and five hours laboratory work is given each week for one semester. *(Prerequisites: Chemistry I and III. 3 hours; laboratory fee $5.00.)*

CHEMISTRY VIII*a*.—*Organic Preparations.*—The preparation of a number of typical organic compounds. One hour each week is devoted to discussions of principles and theories, and four hours to actual preparation work in the laboratory. *(Prerequisite: Chemistry V. First semester; 3 hours; laboratory fee $5.00.)*

CHEMISTRY VIII*b*.—*Inorganic Preparations.*—The preparation of a number of typical inorganic compounds. The course consists of four hours laboratory work each week in addition to collateral reading and quizzes. *(Prerequisite: Chemistry VII*a*. Second semester; 3 hours; laboratory fee $5.00.)*

CHEMISTRY X*a*.—*Water Analysis*.—In this course waters are examined to determine their potability and suitableness for steam raising, and other purposes. It consists of one lecture hour a week and four hours laboratory work. *(Prerequisite: Chemistry VIIab. 3 hours; laboratory fee $2.50.)*

CHEMISTRY X*b*.—See Chemical Engineering.

CHEMISTRY XI.—*Physical Chemistry*.—Two lectures or recitations and two hours of laboratory work each week thruout the year. This course includes a study of the three phases of matter—gas, liquid and solid; the properties of solutions; colloids; equilibrium; velocity of reaction; thermochemistry; and atomic structure. It serves as a general introduction to advanced physical chemistry and thermodynamics. *(Prerequisites: Chemistry III and V. First and second semester; 3 hours; laboratory fee $5.00 for each semester.)*

CHEMISTRY XII.—*Advanced Organic Chemistry*.—Special lectures and collateral reading. Graduate course. *(One semester; 2½ hours.)*

CHEMISTRY XIII.—*Advanced Inorganic Chemistry*.—Special chapters in Inorganic Chemistry, including the modern developments in the science. Graduate course. *(One semester; 2½ hours.)*

COURSES PRIMARILY FOR PHARMACY STUDENTS

CHEMISTRY I*p*.—*General Chemistry*.—A study of the fundamental laws and theories of chemistry, and the occurrence, preparation and uses of the more common elements and their compounds. The materia medica of the inorganic chemicals employed in medicine will be emphasized. Toward the close of the second semester the work in qualitative analysis will begin. The course consists of three lectures or recitations and two laboratory periods of two hours each given each week thruout the first semester; and three lectures the second semester. *(5 hours first semester, 3 hours second semester; laboratory fee $5.00.)*

CHEMISTRY III*p*.—*Qualitative Analysis*.—This course will consist of one lecture or recitation each week for one semester on the theory and practice of qualitative analysis. The laboratory course of four hours each week will be devoted to the qualitative separation of the more important metals and acid

radicals. Special stress will be placed upon the metals and acid radicals. *(Prerequisite: First semester of Chemistry Ip. Second semseter; 3 hours; laboratory fee $5.00.)*

CHEMISTRY V*p*.—*Organic Chemistry*.—Three lectures or recitations and two laboratory periods of two hours each will be given each week thruout the first semester. The course will consist of a study of the aliphatic and aromatic series of carbon compounds, and the therapeutic action and commercial preparation of organic compounds used in medicine will be considered in detail. *(Prerequisite: Chemistry Ip. First semester; 5 hours; laboratory fee $5.00.)*

CHEMISTRY XV.—*Physiological Chemistry*.—The chemistry and physiology of carbohydrates, fats, proteins, and body tissues. The examination of body secretions and excretions such as milk, blood, urine, etc. Course includes routine analyses of value to pharmacists and physicians. Lectures and laboratory. *(Prerequisite: Organic Chemistry. Second semester; 3 hours; laboratory fee $5.00.)*

CHEMISTRY XVI.—*Toxicology*.—Deals with the detection, isolation, and quantitative determination of poisons in foods, artificial mixtures, and animal bodies. The lectures deal with the descriptions of poisons and the chemistry of the more important members of each class. The course does not pretend to turn out finished toxicologists, but it is believed that some training in the careful manipulations and precise methods of forensic chemistry will be of great benefit to the student of pharmacy. *(One lecture and 3 hours laboratory per week; second semester; 2 hours; laboratory fee $5.00.)*

For courses in Chemical Engineering, see page 144.

For courses in Agricultural Chemistry, see page 104.

ENGLISH LANGUAGE AND LITERATURE

Professor Farr
Assistant Professor Robertson
Assistant Professor Beck
Assistant Professor Hathaway

ENGLISH I. — *Rhetoric and Composition*. — Designed to train students in methods of clear and forceful expression. Instruction is carried on simultaneously in formal rhetoric, in rhetorical analysis, and in theme writing, the constant correlation of the three as methods of approach to the desired goal

being kept in view. In addition a reading course is assigned each student. *(Required of all Freshmen; 3 hours.)*

ENGLISH II*a*.—*Introduction to Literature*.—This course is designed to give the student an elementary knowledge of the progress of human thought as expressed in literary form from its earliest manifestations to the present. Chief stress will be laid upon the Greek and Latin and the more important European literatures. The object of the course is to furnish the student with some general idea of world literature both as desirable in itself and as necessary to the more detailed study of English and American literary history of subsequent years. Text-book, lectures, preparation of papers on assigned topics, and extensive readings in translation will be the methods of instruction. *(Required of Freshmen in the A. B. course; 2 hours.)*

ENGLISH II*b*.—*Types of Literature*.—This course will cross-section that of the first semester. The various established types of literature will be studied as to their historical development and their technique. The method of instruction will be similar to that of the first semester. *(Required of Freshmen in the A. B. course; 2 hours.)*

ENGLISH III.—*History of Literature*.—An outline course in the historical development of the English literature and language. Selections from important prose writers and poets; lectures on the history of the language and literature; a manual for reference; frequent reports from the individual students; constant use of the University library. *(3 hours.)*

ENGLISH IV*a*.—*Description and Narration*.—A course for those who have completed English I and who desire to continue composition work. Practice in writing rather than rhetorical analysis will be emphasized. Text-book work will be supplemented by lectures and application of principles. Pictorial writing and incidental description will be stressed. Narrative practice will include the anecdote, tale, feature story, short-story, and fanciful and real narratives. *(First semester; 3 hours. Prerequisite: English I.)*

ENGLISH IV*b*.—*Exposition*.—Study and composition of the editorial paragraph, editorial article, definition, criticism, formal essay, and informal essay. Some time is spent on special feature articles. *(Second semester; 3 hours.)*

ENGLISH V*a*. — *Shakespeare and the Drama.* — *Three* Shakespearian plays are read in class. On eight others a written review each fortnight, and on the alternate week essays from the students and lectures by the instructor. Readings in the English drama from the Cycle plays to contemporary production are assigned. *(First semester; 3 hours.)*

ENGLISH V*b*.—*The Drama Before Shakespeare.*—The classical drama, the religious play, the beginnings of the secular play in England, and the dramatic productions of Shakespeare's predecessors are studied by means of text-book, lectures, reports on special topics, extensive readings, and essays on assigned subjects. *(Second semester; 3 hours.)*

ENGLISH VI*a*.—*The Short-Story.*—An extensive study of American, French, English, Russian, Scandinavian, Italian, and German short-stories. Discussion and study of the conte, or short-story. Constant use of various texts and the library. The course is planned to furnish the student with a wide knowledge of short-stories and short-story writers to serve as a foundation for actual production. *(First semester; 3 hours. Prerequisite: English I.)*

ENGLISH VI*b*. — *Writing the Short-Story.* — Primarily a writing course. Discussion of various story types and story ideas. Round tables on original plots. Current magazines and their wants. Preparing and marketing manuscripts. *(Second semester; 3 hours.)*

ENGLISH VII*a*.—*American Poetry.*—A rapid survey of the development of poetry in the United States; critical study of a few of the more important authors (Bryant, Whittier, Longfellow, Emerson, Lowell, Poe). *(First semester; 3 hours.)*

ENGLISH VII*b*.—*Southern Literature.*—A detailed study, with extensive reading and essay work; examination of the claims of Florida authors. *(Second semester; 3 hours.)*

ENGLISH VIII.—*The English Novel.*—The student reads a list of novels chosen to illustrate chronology and variety of species, analyzes minutely one novel from the technical side, masters the entire work and life of one novelist, and compares closely a novel and a dramatized version of it. *(3 hours.)*

ENGLISH IX*a*.—*Browning.*—Lectures and written exercises on Robert Browning's poems and dramas. Shorter Poems: Rabbi Ben Ezra, Andrea del Sarto, Songs from Pippa Passes, Childe Roland, Abt Vogler, My Last Duchess. Dramas:

Luria, The Return of the Druses, A Blot in the 'Scutcheon. *(First semester; 3 hours. Prerequisite: English III.)*

ENGLISH IX*b*.—*Modern Poetry*.—Present-day poems and poets. American and English writers stressed. Discussion of poetic values and modern poetic tendencies. *(Second semester; 3 hours. Prerequisite: English III.)*

ENGLISH X.—*The Romantic Revival*.—A study in literary movement: the causes and forces which underlie the movement, its phenomena and the authors and works which exhibit them, and a comparison with other movements in literature. The work of Prof. Beers will be used as a basis and the student will be led, by means of extensive reading, by investigation and essays, and by lectures, to realize the truth of his statements. *(3 hours.)*

ENGLISH XI.—*Anglo-Saxon Grammar and Reading*.—Drill in the forms of the early language and an elementary view of its relation to the other members of the Aryan family and of its development into Modern English. The texts in Bright's Anglo-Saxon Reader are studied, and Cook's edition of Judith is read. *(3 hours.)*

ENGLISH XII.—*Chaucer*.—Extensive reading in the "Canterbury Tales", "Troilus", and minor works. Lectures on the literary types encountered, and on the relation of Chaucer's work with that of Shakespeare, Boccaccio, Petrarch, and others. Classroom work is supplemented by essays on assigned topics, and by parallel reading intended to give the student an adequate knowledge of Chaucer's historical, social, and literary background. *(3 hours.)*

ENGLISH XIII.—*Engineering Exposition*.—An attempt to give special training to Engineering students in the preparation of the various kinds of writing they will be called upon to do in the pursuit of their profession. It will consist largely of the writing of papers (upon subjects assigned by the departments in the College of Engineering), which will be criticised and revised. *(Engineering Seniors; 1 hour.)*

EXPRESSION AND PUBLIC SPEAKING

Mr. Chapman

EXPRESSION.—Particular attention is given to establishing a correct method of breathing, to correcting faulty articula-

tion, and to teaching the principles of interpretation by voice, gesture, and facial expression.

A small tuition fee is charged.

PUBLIC SPEAKING.—Students are instructed in the art of preparing and of delivering debates, orations, and occasional addresses.

The department always shows a willingness to co-operate with the Committee on Public Debating and with the Debating Council.

ALPHA PHI EPSILON.—A chapter of the Honorary Fraternity of Alpha Phi Epsilon was established at the University during the spring of 1921. The objectives of the fraternity are to honor those who take active parts in debating; to encourage all inter-class, inter-organization, and inter-collegiate contests in public speaking; to bring about a serious study of parliamentary law; and in every way possible to raise the standards of public speaking, both prepared and extempore.

HISTORY AND POLITICAL SCIENCE

Professor Leake

The aims of this department are to give that knowledge of the facts and philosophy of History which belongs to a liberal education, to equip the student for more advanced work in the historical and social sciences, and to prepare the student for journalism or for the study of the law. With these ends in view the courses are planned to cover a broad field of study in a thoro manner. The department has the necessary library authorities for adequate collateral reading. All students beginning college work in History are advised when possible to take History I before taking up any of the more advanced courses.

The courses in Political Science are planned so that emphasis is laid upon the organization and functions of national, state, and local governments in the United States, with the dual purpose of preparing students for the privileges and responsibilities of citizenship, and of familiarizing them with a concrete example of government, as a foundation for more advanced work in Political Science. Several advanced courses are offered in Constitutional Law, International Law, and Comparative Government.

All the advanced courses offered are not given in any one year.

HISTORY

HISTORY I*a* and I*b*.—*Europe During the Middle Ages.*—A general course in the history of Western Europe from the Teutonic migrations to the close of the Seven Years' War. *(3 hours.)*

HISTORY II*a* and II*b*.—*American History, 1492 to 1830.*—The purpose of this course is to familiarize students with the history of America and of American institutions. Beginning with the period of discovery and colonization a detailed study is made of each colony. The Revolutionary movement, the period of the Articles of Confederation, the adoption of the Federal Constitution, and the social, political, and economic development of the United States up to 1830 are subjected to close analysis. *(3 hours.)*

HISTORY III*a* and III*b*.—*American History, 1830 to the Present.*—The background and causes of the War between the States, the rise and fall of the Confederacy, the Reconstruction Period, the industrial expansion of the United States, and America as a world-power. Especial emphasis is laid on our international relations. *(3 hours.)*

HISTORY IV*a* and IV*b*.—*Modern European History.*—The characteristic features of the Old Regime, the French Revolutionary and Napoleonic Periods, and the development of Europe from the Congress of Vienna to the Congress of Versailles. *(3 hours.)*

HISTORY V*a* and V*b*.—*English History.*—A brief survey of English History from the Anglo-Saxon invasions to the Norman Conquest, and a more detailed study of the period from 1066 to the present. *(3 hours.)*

HISTORY VI*a* and VI*b**.—*The Renaissance and the Reformation.*—A study of the causes, development and results of these great intellectual and religious movements. *(3 hours.)*

POLITICAL SCIENCE

POLITICAL SCIENCE I*a*. — *American Government and Politics.*—A study of the structure and functions of our national and state governments. Thruout the course present-day political problems of national and local interest will be made subjects of class discussion. *(First semester; 3 hours.)*

POLITICAL SCIENCE I*b*.—*Municipal Government.*—An out-

*Open only to advanced students.

line of the growth of American municipalities and a study of the organs and functional mechanism of modern cities of the United States and Europe. Emphasis is laid upon the newer tendencies in municipal government, the commission form of government and the city-manager plan coming in for thoro analysis. *(Second semester; 3 hours.)*

POLITICAL SCIENCE II*a*.—*Comparative Government*.—A study of the constitutional structure and organization of the governments of the more important European countries. The object of the course is to enable the student to compare these governments, both in theory and in their practical workings, with each other and with our own. *(First semester; 3 hours.)*

POLITICAL SCIENCE II*b*.—*Principles of Political Science*.—A study of the origin, nature, and functions of the state and a critical examination of ancient, medieval, and modern political theories. *(Second semester; 2 hours.)*

POLITICAL SCIENCE III*a* and III*b*.—*Constitutional Law of the United States*.—Intended to familiarize the student with the leading principles of the American constitutional system. The course will deal principally with the Federal Constitution and with the decisions of the Supreme Court of the United States and will be found of special value to those students who contemplate advanced work in political science or who intend to enter upon the study of the law. *(3 hours.)*

POLITICAL SCIENCE IV*a* and IV*b**.—*International Law*.—The object of this course is to set forth the rules and principles of International Law as a positive system with a historical background of custom and convention. The attributes of sovereign states, and their rights and duties as members of the family of nations, in peace, in war, and in the relation of neutrality will receive adequate treatment. *(3 hours.)*

POLITICAL SCIENCE V*a and* V*b**.—*Political Theories*.—A comprehensive survey and discussion of the more important political theories. *(3 hours.)*

MATHEMATICS

Professor Simpson Mr. Hale

The work in the Department of Mathematics is planned with a threefold purpose in view:

1. For those who intend to *specialize* in Mathematics it

*Open only to advanced students.

provides the preparation for more advanced work. Several advanced courses are offered such students.

2. To those who need Mathematics as an *instrument* it offers opportunities to become familiar with this instrument. The application of Calculus not only to Physics, Chemistry, and Engineering, but even to such seemingly remote realms as Psychology and Political Economy, makes it advisable that this class should continue the study of Mathematics at least so far as to include Calculus.

3. To others it gives logical training in Analysis and Proof, introduces them to that scientific method par excellence of the Hypothesis, and develops the idea of a deductive system in its classical form.

MATHEMATICS A.—Solid Geometry. *(2 hours.)*

MATHEMATICS B.—Plane Trigonometry and Logarithms. *(2 hours.)*

MATHEMATICS I.—Plane Analytic Geometry and College Algebra. *(3 hours.)*

MATHEMATICS I*e*.—Plane Analytic Geometry and College Algebra. *(For Engineering students; 3 hours.)*

MATHEMATICS III.—Differential and Integral Calculus. *(3 hours.)*

MATHEMATICS IV.—Solid Analytic Geometry and Calculus. *(2 hours.)*

MATHEMATICS V.—Advanced Calculus and Differential Equations. *(2 hours.)*

MATHEMATICS VI.—Theory of Equations, Complex Numbers, and Determinants. *(3 hours.)*

MATHEMATICS VII.—Modern Projective Geometry. *(2 hours.)*

MATHEMATICS VIII.—Theory of Least Squares, Fourier's Series. *(2 hours.)*

MATHEMATICS IX.—Introduction to Higher Algebra. *(2 hours.)*

MODERN LANGUAGES

Professor Crow
Assistant Professor Hathaway
Mr. Atkinson Mr. Slaughter

Extensive courses of reading, in and out of class, frequent exercises, oral and written, and studies in literature and language form the chief feature of instruction.

Authors and textbooks vary from year to year. Tho the classics are not neglected, special attention is paid to the literature of the Nineteenth Century.

All the courses offered will not be given in any one year.

FRENCH

FRENCH A.— *Elementary Course.*— Pronunciation, forms, elementary syntax, dictation, written exercises, memorizing of vocabularies and short poems, translation. *(3 hours.)*

FRENCH I.— *Intermediate Course.*—Work of elementary course continued, advanced grammar, including syntax, prose composition, translation of intermediate and advanced texts, sight reading, parallel. *(3 hours.)*

FRENCH II.—*Advanced Courses.*—Syntax, stylistic, composition, history of French literature, selections from the dramatists or novelists, as class may decide. *(3 hours.)*

FRENCH III.—*Romance Philology.*—*(Prerequisites: French II and Latin II. 3 hours.)*

SPANISH

SPANISH A.—*Elementary Course.*—Pronunciation, forms, elementary syntax, dictation, written exercises, memorizing of vocabularies and short poems, translation. *(3 hours.)*

SPANISH I.— *Intermediate Course.*—Work of elementary course continued, advanced grammar, including syntax, prose composition, translation, parallel. *(3 hours.)*

SPANISH II. — *Commercial Correspondence.* — *(Optional, subject to instructor's permission; 3 hours.)*

MUSIC

Mr. Brown

This department aims to foster a love for good music and to encourage students to use their musical abilities and training for the benefit of themselves and others. It trains and directs the student chorus, the chapel choir, the glee and mandolin and guitar clubs, the orchestra, and the University band, and offers private instruction in voice and in violin and other instruments. It seeks to cooperate with the musical organizations of Gainesville and in conjunction with them to give several public entertainments during the year.

Owing to the lack of funds for the department, a small tuition fee is charged for private instruction.

PHILOSOPHY

Professor Enwall

The primary aim of this department is to give the student a broad outlook upon life in general, as well as a better understanding of his own life from psychological, ethical, and metaphysical viewpoints. Philosophy lies nearer today than ever before to the various sciences, on the one hand, and to the demands of practical life on the other.

Another very important aim is to aid in the professional training of teachers. For description of the equipment for carrying on mental and physical tests, see page 28.

Students may begin with Course I*a*, II*a*, III*a* and IV*a*.

PHILOSOPHY I*a*.—*General Psychology*.—Facts and theories current in general psychological discussion: the sensations, the sense organs, and the functions of the brain; the higher mental functions—attention, perception, memory, feeling, emotion, volition, the self; and like topics. *(First semester; 3 hours.)*

PHILOSOPHY I*b*. — *Experimental Psychology*. — Mainly laboratory work with standard apparatus on the current problems in Experimental Psychology. Special attention given to methods of psychological investigation and the collection and treatment of data. *(Second semester; 3 hours; laboratory fee $2.00.)*

PHILOSOPHY II*a*.—*Logic, Inductive and Deductive*.—The use of syllogisms, inductive methods, logical analysis, and criticisms of fallacies. *(First semester; 3 hours.)*

PHILOSOPHY III*a*.—*Ethics*.—Principles of Ethics: study of such topics as goodness, happiness, virtue, duty, freedom, civilization, and progress; history of the various Ethical Systems. *(First semester; 3 hours.)*

PHILOSOPHY III*b*.—*Social Psychology*.—Influences of the social environment upon the mental and moral development of the individual. *(Second semester; 3 hours. Prerequisite: Phil. Ia.)*

PHILOSOPHY IV*a*.—*History of Ancient Philosophy*.—The development of philosophic thought from its appearance among the Ionic Greeks to the time of Descartes. Special attention will

be given to the philosophy of Plato and Aristotle. *(First semester; 3 hours.)*

PHILOSOPHY IV*b*.—*History of Modern Philosophy*.—A continuation of IV*a*. Special attention will be given to the works of Descartes, Spinoza, Leibnitz, Kant, Hume, etc. *(Second semester; 3 hours.)*

PHILOSOPHY V*b*.—*Abnormal Psychology*.—Abnormal phases of mental life: dreams, illusions, hallucinations, suggestions, hypnotism, hysteria, diseases of the memory, diseases of the will, etc. Special attention given to mental hygiene. *(Second semester; 3 hours. Open to Seniors and advanced premedical students only.)*

PHILOSOPHY VI.—*Advanced Logic*.—Theories of thought and knowledge. *(Prerequisite: Philosophy IIa, and IVb. Given with Philosophy VII in alternate years. Offered 1923-24. 3 hours. Hours to be arranged. Seminar.)*

PHILOSOPHY VII.—*Philosophy of Nature*.—Man's relation to Nature; the various philosophical doctrines: Animism, Pantheism, Materialism, Realism, Agnosticism, Humanism, Idealism, etc. *(Prerequisite: Philosophy IIa, IVa, and IVb. Given with Philosophy VI in alternate years. Not offered 1923-24. 3 hours. Hours to be arranged. Seminar.)*

PHYSICS*

Professor Benton — Assistant Professor Perry

Mr. Weil — Mr. Little

The work of this department is intended to meet the needs, on the one hand, of those who study physics as a part of a liberal education and, on the other hand, of those who will have to apply physics as one of the sciences fundamental to engineering, or to medicine.

The courses offered in this department fall into three groups: (1) Physics V is a brief course in general physics and does not pre-suppose any previous knowledge of physics; (2) Physics I, II and III form a longer and more advanced course in general physics, pre-supposing a knowledge of the physics

*The courses in physics are given as part of the work of the Department of Physics and Electrical Engineering, the instructors in this department dividing their time between physics and electrical engineering. The courses in electrical engineering are described under the College of Engineering, page 140.

taught in the high schools and of trigonometry; (3) the remaining courses deal more fully with special branches of physics, pre-supposing a college course in general physics, and advanced mathematics in some cases.

Instruction is given by (1) recitations based upon lessons assigned in textbooks; (2) laboratory work, in which the student uses his own direct observation to gain knowledge of the subject; (3) lectures, in which experimental demonstrations of the principles under discussion are given; and (4) seminar work in the advanced courses, in which the various members of the class take up special problems requiring extended study or investigation, and report upon them.

The physical laboratory (see page 27) is well equipt for the experiments usually required in undergraduate laboratory work in the best colleges.

PHYSICS I.—General physics, including mechanics, heat, acoustics, and optics, but not electricity and magnetism. Text Book used in 1922-1923: Watson's General Physics. *(1 lecture and 2 recitations per week. Prerequisites: High School Physics and Plane Trigonometry.)*

PHYSICS II.—General laboratory physics, to accompany Physics I. *(2 exercises of 2 hours each per week; laboratory fee $1.50 for each semester.)*

PHYSICS III.—General electricity and magnetism, being a continuation of Physics I. Text Book used in 1922-1923: S. P. Thompson's Elementary Lessons in Electricity and Magnetism. *(2 recitations and one 2-hour laboratory exercise per week; laboratory fee $1.50 for each semester.)*

PHYSICS V.—General physics designed to meet the needs of the general student, and of those taking the Pre-Medical Course; divided as follows:

PHYSICS V*a*.—Mechanics and Heat. Text Book used in 1922-1923: Carhart's College Physics. *(First semester; 3 recitations and two 2-hour periods per week; laboratory fee $1.50.)*

PHYSICS V*b*.—Sound, Light, Electricity and Magnetism. *(Second Semester; 3 recitations and two 2-hour laboratory periods per week; laboratory fee $1.50.)*

METEOROLOGY.—A brief general course. Text Book used in 1922-1923: Milham's Meteorology. *(First semester; 2 reci-*

tations and one 2-hour laboratory period per week. Prerequisites: Physics V or Physics I and II.)

ASTRONOMY.—A brief general course on descriptive astronomy. Text Book used in 1922-1923: Moulton's Introduction to Astronomy. *(Second semester; 2 recitations and one 2-hour period of observation per week. Prerequisites: Physics V or Physics I and II.)*

THEORETICAL MECHANICS.—A course in theoretical mechanics covering topics which do not enter the course in mechanics offered in the Mechanical Engineering Department; such as theory of attractions, potential, and vector analysis. *(First semester; 3 recitations or lectures per week. Prerequisites: Mathematics III, and Physics V or Physics I, II and III.)*

MATHEMATICAL PHYSICS.—An introductory course to general mathematical physics. *(Second semester; 3 recitations or lectures per week. Prerequisites: Mathematics III, and Physics V or Physics I, II and III.)*

ADVANCED EXPERIMENTAL PHYSICS.—*(1 class period and 4 hours of laboratory per week. Prerequisites: Mathematics I, and Physics V or Physics I, II and III.)* Omitted in 1923-1924.

THEORY OF HEAT.—*(2 hours class and 2 hours laboratory per week.)* Omitted in 1923-1924.

THEORY OF OPTICS.—*(2 hours class and 2 hours laboratory per week.)* Omitted in 1923-1924.

THEORY OF ELECTRICITY AND MAGNETISM.—Mathematical theory, covering such topics as electric and magnetic fields, electric oscillations and electron theory. *(3 hours per week of lectures or recitations.)* Omitted in 1923-1924.

SOCIOLOGY AND ECONOMICS

Professor Bristol Assistant Professor ....

The aims of this department are to equip the student for an intelligent appreciation of and participation in discussions of social and economic problems; to make for more efficient citizenship; to provide the sociological training so essential for those preparing for law, teaching, the ministry, or professional social work, and to assist so far as possible in the special training needed by those looking forward to a business career.

SOCIOLOGY

Sociology A and B form a general introduction to all courses given in the department except those that are strictly commercial.

SOCIOLOGY A.—*Introduction to the Mental and Social Sciences.*—A course of lectures by Professors Benton, Leigh, Rogers, Enwall, Bristol and others with required readings and discussions. *(Primarily for Freshmen. Upper classmen will be expected to do additional reading; first semester; 3 hours.)*

SOCIOLOGY B.—*Introduction to Sociology.*—A brief study of some of the fundamental factors and problems of social welfare and social progress. *(Primarily for Freshmen. Upper classmen will be expected to do additional reading; second semester; 3 hours.)*

SOCIOLOGY I*a*.—*Principles of Sociology.*—The principles of social evolution, social organization and social control. *(This course should be preceded by Sociology A and B and Economics I or VIa; first semester; 3 hours.)* Omitted in 1923-24.

SOCIOLOGY I*b*.—*Race Problems.*—History, causes and effects of immigration; methods of assimilation. The negro problem. *(Prerequisite: one course in Sociology. Second semester; 3 hours.)* Omitted in 1923-24.

SOCIOLOGY II*b*.—*Criminology.*—Nature of crime; classes of criminals; methods of punishment, reformation and prevention. Sociological aspects of criminal law and procedure. Constructive proposals. *(Prerequisite: one course in Sociology. Second semester; 3 hours.)* Omitted in 1923-24.

SOCIOLOGY III*b*.—*Rural Sociology.*—A broad survey of the field of rural life in its social aspects; methods of improvement. *(Open only to Juniors and Seniors; second semester; 3 hours.)*

SOCIOLOGY VI.—*An Introduction to Social Philosophy.* — A critical and constructive study of modern writers in the field of social theory. *(Primarily for Juniors and Seniors who are majoring in Sociology or Philosophy; first and second semesters; 3 hours.)*

ECONOMICS

Economics I or VI*a* should precede all other courses except Economics B, Elementary and Constructive Accounting.

ECONOMICS B.—*Economic History of the United States.*—

A general but comprehensive history of the growth of American industry and commerce with the social and economic problems involved. *(Primarily for Freshmen and Sophomores. Upper classmen will be required to do extra reading; second semester; 3 hours.)*

ECONOMICS I. — *Principles of Economics.* — A general course covering the fundamental principles of consumption, production, exchange and distribution of wealth with practical application to concrete problems. *(Not open to Freshmen and should be preceded by Sociology A and either Sociology B or Economics B. First and second semesters; 3 hours.)*

ECONOMICS II*a*.—*Public Finance.*—Principles governing expenditures of modern governments; sources of revenue; public credit; principles and methods of taxation and of financial administration as revealed in the fiscal systems of leading countries. *(First semester; 3 hours.)* Omitted in 1923-24.

ECONOMICS III.—*Business Administration.*—Business as a social science. Forms of business enterprises; financing; management; wages, wage systems and the control of labor; buying, selling, advertising; traffic; credit and banking; accounting. *(First and second semesters; 3 hours.)*

ECONOMICS IV*a*.—*Labor Problems.*—Origin and nature; methods of amelioration and reform; woman and child labor; sweating; unemployment; labor legislation; cooperation; profit-sharing; insurance; industrial education. *(First semester; 3 hours.)* Omitted 1923-24.

ECONOMICS IV*b*.—*Money and Banking.*—The nature and functions of money; principles of banking as revealed in the banking systems of leading countries; practical banking methods. *(Second semester; 3 hours.)*

ECONOMICS V*a*.—*Transportation.*—Railway system; service; freight, passenger, express and postal rates; rate making; government ownership and control. *(First semester; 3 hours.)*

ECONOMICS VI*a*.—*Introduction of Economics.*—A brief study of the principles of economics and their application to practical problems. *(Primarily for Juniors in the colleges of Agriculture and Engineering and the School of Pharmacy; first semester; 3 hours.)*

ECONOMICS VI*b*.—*Principles of Business.*—This course is similar to Economics III but more condensed. *(Primarily for*

Juniors in the colleges of Agriculture and Engineering and the School of Pharmacy; second semester; 3 hours.) Omitted in 1923-24.

ECONOMICS X.—Seminar for graduate students. *(First and second semesters; 3 hours.)*

ECONOMICS XI.—*Elementary Accounting.—(First and second semesters; 3 hours.)*

ECONOMICS XII.—*Constructive Accounting.—(First and second semesters; 3 hours.)*

ECONOMICS XIII.—*Cost Accounting.—(First and second semesters; 3 hours.)* Omitted in 1923-24.

ECONOMICS XIV.—*Advanced Accounting.—(First and second semesters; 3 hours.)* Omitted in 1923-24.

ADVANCED BUSINESS LAW.—The following courses in the College of Law are especially valuable for those planning to enter business. They may be taken by students in the College of Arts and Sciences with the consent of the Dean, though preferably not before the Junior year. The figures in parenthesis indicate the number of semester hours credit. First semester: Contracts (4), Insurance (1), Public Service Coroporations (2), Partnership (2), Damages (2), Mortgages (2). Second semester: Contracts (3), Sales (1), Private Corporations (4), Negotiable Instruments (2), Suretyship (2).

HUMAN ENGINEERING.—This course, given in the College of Engineering, is especially commended to students preparing for business. *(First semester; 2 hours.)*

THE SCHOOL OF PHARMACY

TOWNES R. LEIGH, *Director*

GENERAL STATEMENT

The School of Pharmacy will be inaugurated with the opening of the session 1923-1924 of the University. The prime object of its organization is to offer superior opportunities to those who wish to train themselves thoroly for the important duties of the retail pharmacist, the pharmaceutical chemist, or the professional or manufacturing pharmacist.

The opportunities in pharmacy were never brighter than at the present time. With the universal adoption of higher standards of education and a general concerted movement on the part of colleges of pharmacy and state boards of pharmacy in the United States to increase their requirements, we observe an increasing number of men of ability who are devoting their lives to the development of pharmacy. There is great demand for properly qualified pharmacists, and corresponding opportunities are offered to good men, those having business ability, industry, integrity and a thoro pharmaceutical education.

Employers are looking for the highest type of professional pharmacists today, those who are competent prescriptionists or skilled analysts. It is needless to say that the preparation for such work requires a college education.

There is a distinct advantage in studying pharmacy in a university, where the students of pharmacy share all the advantages and enjoy the spirit of a great educational establishment, which increases the incentive to prepare themselves to meet the requirements of the trend of pharmaceutical education.

The School of Pharmacy is an integral part of the College of Arts and Sciences of the University and is governed by the same general policy that characterizes that institution. The method of work differs in no essential from those adopted by the other scientific departments. A large amount of laboratory instruction is one requirement since none of the natural sciences can be adequately taught without considerable instruction in the laboratory, and, whenever necessary, in the field.

The School of Pharmacy makes consistent endeavor to provide a well-balanced course in pharmacy, chemistry and allied subjects that will fit students not only for the prescription counter and commercial pharmacy, but also for a great variety of professional positions in pharmaceutical chemistry as well. The training in pharmacy in this school is, moreover, especially valuable to a person desiring to engage in the manufacture of chemical or medicinal products.

EQUIPMENT.—Science Hall provides space for the classrooms and laboratories for the departments of pharmacy, pharmacognosy and pharmacology, chemistry and biology. The laboratories are adequately equipped with instruments of precision for the teaching of the technique and manipulations involved in chemical and analytical work, in operative pharmacy, bacteriology, botany and toxicology.

The library contains books and pharmaceutical journals from which the students may obtain the latest and best information.

ENTRANCE REQUIREMENTS.—See pages 44-49.

DEGREES.—The School of Pharmacy offers three plans of study leading to the following degrees:

1. The completion of the two-year course in pharmacy, based upon the foundation of the entrance requirements, leads to the degree of Graduate in Pharmacy (Ph.G.) and is intended to fit students for the practice of pharmacy, including the preparation of medicine, the compounding of prescriptions, and the chemical and microscopical examination of medicinal materials. The two-year course will be discontinued after 1925.

2. The degree of Pharmaceutical Chemist (Ph. C.) is awarded upon the completion of the three-year professional course in pharmacy, based upon the entrance requirements. The aim of this course is to enable the pharmacist to strengthen his professional relations by the practice of urinary, bacteriological and toxicological analyses for the physician, and commercial analyses for the public. After 1925 the three-year course will be the shortest course offered.

3. The degree of Bachelor of Science in Pharmacy (B.S. in Phar.) is conferred upon the completion of the four-year course, based upon the entrance requirements. Graduates of this course are eligible to take the civil service examination for appointment as food and drug inspection chemists in government service and are qualified to serve as analysts for state food, dairy and drug laboratories and in industrial pursuits.

CURRICULUM

THE TWO-YEAR COURSE

Leading to the Degree of Graduate in Pharmacy

First Year

First Semester		*Second Semester*	
COURSES	HOURS PER WEEK	COURSES	HOURS PER WEEK
Chemistry I*p*	5	Chemistry I*p*	3
Pharmacy I	5	Chemistry III*p*	3
Pharmacy V	3	Pharmacy I	5
Pharmacognosy I	4	Pharmacognosy II	4
Military Science I Theoretical	1	Pharmacology II	2
	—	Military Science I Theoretical	1
	18	Hygiene I	1
			—
			19

Second Year

Pharmacy II	5	Pharmacy II	5
Chemistry V*p*	5	Chemistry XVI	2
Pharmacology IV	2	Pharmacy IV	2
Chemistry VII*a*	3	Pharmacognosy III	4
Biology VI*a*	4	Pharmacy VI	3
Military Science II Theoretical	1	Chemistry XV	3
	—	Military Science II Theoretical	1
	20		—
			20

Practical Military Science (Drill, etc.) and Physical Education are required thruout the two-year course.

THE THREE-YEAR COURSE

Leading to the Degree of Pharmaceutical Chemist

First Year

First Semester		*Second Semester*	
COURSES	HOURS PER WEEK	COURSES	HOURS PER WEEK
Chemistry I	5	Chemistry I	5
Biology I*a*	4	Biology I*b*	4
Pharmacognosy I	4	Pharmacy I	5
Military Science I Theoretical	1	Military Science I Theoretical	1
Pharmacy V	3	Hygiene I	1
	17		16

Second Year

Pharmacognosy II	4	Pharmacy II	5
Pharmacy I	5	Biology V*b*	4
Chemistry V	5	Chemistry V	5
Chemistry III	3	Chemistry III	3
Military Science II Theoretical	1	Military Science II Theoretical	1
	18		18

Third Year

Pharmacology I	4	Pharmacy III	3
Pharmacy II	5	Chemistry XVI	2
Chemistry VII*a*	3	Chemistry VII*b*	3
Biology VI*a*	4	Chemistry XV	3
Pharmacy VI	3	Pharmacology III	4
	19	Pharmacognosy III	4
			19

Practical Military Science (Drill, etc.) and Physical Education are required thruout the first two years of the three year course.

THE FOUR-YEAR COURSE

Leading to the Degree of Bachelor of Science in Pharmacy

First Year

First Semester		*Second Semester*	
COURSES	HOURS PER WEEK	COURSES	HOURS PER WEEK
Chemistry I	5	Chemistry I	5
English I	3	English I	3
Foreign Language	3	Foreign Language	3
Mathematics I	3	Mathematics I	3
Military Science and Drill I	2	Military Science and Drill I	2
Physical Education I	1	Physical Education I	1
		Hygiene I	1
	17		18

Second Year

Courses	Hours per Week	Courses	Hours per Week
Chemistry III	3	Chemistry III	3
Pharmacognosy I	4	Pharmacy I	5
Biology I*a*	4	Biology II*b*	4
Pharmacy V	3	Economics	3
Military Science and Drill II	2	Military Science and Drill II	2
Physical Education II	1	Physical Education II	1
	17		18

Third Year

Chemistry V	5	Chemistry V	5
Chemistry VII*a*	3	Chemistry VII*b*	3
Pharmacognosy II	4	Biology V*b*	4
Pharmacy I	5	Pharmacy II	5
	17		17

Fourth Year

Pharmacy II	5	Chemistry XVI	2
Pharmacy VI	3	Pharmacology III	4
Pharmacology I	4	Chemistry XV	3
Biology VI*a*	4	Pharmacognosy III	4
		Pharmacy III	3
	16		16

DEPARTMENTS OF INSTRUCTION

PHARMACY

Professor Husa

The Department of Pharmacy offers thoro and practical courses in the various subjects pertaining to pharmacy in order to satisfy the necessity for technical training for those who are seeking to prepare themselves as prescriptionists, manufacturing pharmacists, drug inspectors or food and drug analysts. The aim of the Department, as part of a state institution, is to cooperate with the pharmacists of the state in their efforts to maintain and elevate the standards of the profession.

PHARMACY I.—*Theoretical and Practical Pharmacy.*—A course defining pharmacy and its relation to allied sciences, and treating of the history of pharmaceutical literature, including a study of pharmacopoeias (especially the United

States Pharmacopoeia), National Formulary, dispensatories and other commentaries, pharmaceutical journals, etc. A study is made of all operations of a physico-chemical nature used in pharmacy, such as solution, evaporation, distillation, sublimation, precipitation, filtration, dialysis, etc. Comminution is then explained. Slicing, bruising, grinding and pulverizing, in mills, in mortars, and by other means; also extraction, sifting, elutrication, clarification and decolorization. The lecture and recitation work is accompanied by laboratory exercises; each student is required to make a large number of United States Pharmacopoeial, National Formulary and special preparations, illustrating the various processes used in pharmacy. *(A year course starting either semester; 3 class and 2 laboratory periods per week; 5 hours; laboratory fee $5.00 for each semester.)*

PHARMACY II.—*Theoretical and Practical Pharmacy.*—A detailed consideration of inorganic and organic acids and official salts; fixed and volatile oils and fats, alkaloids and glucosides. The course includes lectures and recitations, followed by laboratory work on the preparation of syrups, elixirs, solid and fluid extracts, scale salts, and other types of preparations. The pharmacy of the new synthetic drugs receives due attention. *(Prerequisite: Pharmacy I. A year course starting either semester; 3 class and 2 laboratory periods per week; 5 hours; laboratory fee $5.00 for each semester.)*

PHARMACY III.—*Prescriptions and Dispensing.*—A course in which the history of the prescription is studied. Instruction is given in prescription reading and translation, the Latin phrases of prescriptions, incompatibilities. Each student will be given practice in dispensing. Attention will also be given to the laws governing the practice of pharmacy, and to the pharmacists' liability, both criminal and civil, for their own violation of laws and for violations on the part of their agents. *(Prerequisites: Pharmacy I and II. Second semester; 3 hours; lectures, recitations and laboratory work; laboratory fee $5.00.)*

PHARMACY IV.—*Prescriptions and Dispensing.*—A briefer course than Pharmacy III for two-year students. *(Prerequisite: Pharmacy I. Second semester; 2 hours; laboratory fee $5.00.)*

PHARMACY V.—*Pharmaceutical Arithmetic.*—The practice of pharmacy requires a knowledge of some operations of arithmetic not touched upon in secondary schools. This course teaches the application of arithmetic to pharmacy, and includes a thoro study of the systems of weight and measure in use in the United States, and their relation to each other. Problems are solved which involve the use of alligation. *(First semester; 3 hours.)*

PHARMACY VI.—*Drug Analysis.*—A laboratory and recitation course which deals with the theory and practice of drug analysis especially in its application to substances and preparations of the United States Pharmacopoeia. The student makes assays in the laboratory that are typical of the various classes of assaying processes of the U. S. P. as well as those that every pharmacist should be able to carry out. A study is made of the principles upon which each assay is based. *(Prerequisites: Pharmacy I and II, Chemistry Ip, IIIp, V, and VII. 3 hours; first or second semester; laboratory fee $5.00.)*

PHARMACOGNOSY AND PHARMACOLOGY

Professor Sweet

The aim of the Department is to give to the student a thoro working knowledge of the crude and prepared animal and vegetable drugs. The botany of the plants and the nomenclature are especially considered. The drug effect upon the body and the physiology of the animal tissues are emphasized. Preparation for practical work in pharmacy is the main purpose of courses in this Department.

PHARMACOGNOSY I.—*Elementary Drug Study.*—A course for first-year pharmacy students in the physical and microscopic properties of crude drugs. Lectures, recitations and laboratory work upon food, drugs, spices, etc. *(First semester; 4 hours; laboratory fee $5.00.)*

PHARMACOGNOSY II.—*Crude and Powdered Drugs.*—This course includes the natural history and the appearance upon the market of the animal and vegetable drugs, especially those that are official in the United States Pharmacopoeia and National Formulary. Lectures and quizzes. *(Prerequisite: Pharmacognosy I. First or second semester; 4 hours.)*

PHARMACOGNOSY III.—The study of the methods by which drugs are collected, methods of cultivation, the characters by which they may be identified and their quality estimated, their adulterants in the whole or powdered state. Lectures and quizzes. *(Prerequisite: Pharmacognosy I; second semester; 4 hours.)*

PHARMACOLOGY I.—*Materia Medica.*—Study of drug remedies. The action of drugs in the crude form and as mixtures upon the tissues and structures of living animals. The classification and constituents of drugs with special reference to their toxic effect. Lectures and recitations. *(Prerequisite: Pharmacognosy II. First semester; 4 hours.)*

PHARMACOLOGY II.—A briefer course than Pharmacology I; for two-year students. *(Second semester; 2 hours.)*

PHARMACOLOGY III.—*Materia Medica and Therapeutics.*—The examination and testing of drugs by animal experimentation. Particular reference is made to the physiological assay of drugs. *(Prerequisite: Pharmacology I. Second semester; 4 hours; laboratory fee $5.00.)*

PHARMACOLOGY IV.—A briefer course than Pharmacology III; for two-year students. *(First semester; 2 hours; laboratory fee $2.50.)*

OTHER DEPARTMENTS

Descriptions of the other subjects taken by students in the School of Pharmacy may be found by reference to the Index.

COLLEGE OF AGRICULTURE

WILMON NEWELL, *Dean*

GENERAL STATEMENT

The College of Agriculture has three divisions:

1. Instructional Division (the College proper).
2. Research Division (Experiment Station).
3. Agricultural Extension Division.

THE COLLEGE

FACULTY.—Wilmon Newell, L. W. Amis, J. H. Atkinson, F. H. Bain, E. C. Beck, W. H. Beisler, A. P. Black, R. W. Blacklock, L. M. Bristol, H. G. Clayton, M. D. Cody, J. W. Day, J. M. Farr, W. L. Floyd, W. R. Hale, E. W. Jenkins, E. L. Lord, T. R. Leigh, J. S. Rogers, F. Rogers, I. E. Ryder, N. W. Sanborn, A. L. Shealy, T. M. Simpson, A. P. Spencer, Ralph Stoutamire, A. W. Sweet, J. E. Turlington, J. A. Van Fleet, C. H. Willoughby.

Special Lectures for 1922-1923.

Dr. E. W. Berger, *Entomologist, State Plant Board.*
R. C. Blake, *Poultry Specialist.*
Dr. J. V. Knapp, *State Veterinarian.*
Miss Minnie Floyd, *Specialist in Home Poultry Work.*
W. C. Funk, *Office of Farm Management, U. S. Dept. Agri.*
Prof. H. Harold Hume, *President State Horticultural Society.*
Harold Irving, *Poultryman.*
S. T. Fleming, *Bureau of Crop Estimates, U. S. Dept. Agri.*
Hon. W. A. McRae, *Commissioner of Agriculture.*
Dr. J. H. Montgomery, *Quarantine Inspector, State Plant Board.*
F. M. O'Byrne, *Nursery Inspector, State Plant Board.*
Capt. R. E. Rose, *State Chemist.*
Frank Stirling, *General Inspector, State Plant Board.*
Willard F. Sanborn, *Poultryman.*

Special lectures are given also by members of the Experiment Station and Agricultural Extension Staffs.

AIM AND SCOPE.—The College was established under the Acts of Congress creating and endowing institutions for the liberal and practical education of the industrial classes. Recognition of agriculture as a branch of collegiate instruction is a distinctive feature of schools thus founded.

The aim of the College is to afford young men the best possible opportunity for gaining technical knowledge and training in the art and science of agriculture. About one-third of the student's time is devoted to technical studies, the other two-thirds to cultural studies and basic sciences. A foundation is thus laid which will enable graduates to become leaders in educational work or effective producing agriculturists.

EQUIPMENT.—*Agricultural Hall* provides space for offices and classrooms and laboratories for the departments of agronomy, animal husbandry and dairying, agricultural engineering, poultry, veterinary science, and horticulture.

Libraries.—Many works on agriculture and horticulture have recently been added to the general library. A trained librarian aids students in finding needed references. Each department has, furthermore, a small collection of well-selected volumes, which are always accessible. The Experiment Station library contains a very complete set of bulletins from the experiment stations of the world and from the U. S. Department of Agriculture, all fully indexed and carefully filed.

Farms.—The College farm, used for instruction and for growing crops with which to feed the instruction herds, consists of 135 acres: 10 acres for trucking, 100 acres for pasture and field crops, 5 acres for orchard, 15 acres for soiling purposes and stock lots, and 5 acres for buildings and grounds. The equipment includes a hay and storage barn, a sweet-potato storage house, a farm-foreman's house, a dairy barn, a machinery shed and corn crib, a potting house, poultry houses and yards, and several irrigation systems. The Experiment Station farm and farm buildings are easily accessible.

AGRONOMY DEPARTMENT

The *Agronomy Department* occupies four rooms—a large, well-lighted and equipt soil laboratory, with adjoining storage and work room, an office, and a classroom.

The soil laboratory is equipt with microscopes, sampling augurs, tubes, and carriers; balances, ovens, soil thermome-

ters, packers, cylinders, and tubes; moisture absorption box with trays; percolation, capillary, and evaporation apparatus; sieves, shaker, etc. There are three large stone-top desks, with individual lockers for seventy-two students. The storage room is provided with soil bins, packer, cases, and shelving in abundance.

For *Agricultural Engineering* work there are two laboratories—the one for farm motors and iron work, the other for farm machinery. They are equipt with gasoline engines, feed grinders, stalk cutter, walking and riding plows, various types of harrows, walking and riding cultivators, seeders, surveying implements, several of the best types of power sprayers and farm tractors, a farm lighting-system, etc. Stress is laid upon instruction in farm machinery, because labor-saving appliances have not yet come into general use in Florida.

HORTICULTURAL DEPARTMENT

The *Horticultural Department* has a large, well-furnished lecture-room, a laboratory equipt with microscopes, wall-cases for preserved specimens, and a storeroom for material and supplies. In addition to these, provision is made for practical work outdoors. A propagating house and a nursery on the farm are used in carrying on stratification, layerage, cuttage, budding, grafting, and other methods of plant propagation; trees of different kinds are growing in the orchard; hot beds and cold frames are provided for starting young plants; an irrigation plant has been installed with Skinner, Campbell, Cyclone, Florida Favorite, and modified Skinner sprinkling devices and a surface furrow system; and other facilities for growing fruits and vegetables.

ANIMAL HUSBANDRY DEPARTMENT

The *Animal Husbandry Department* is provided with a lecture-room containing seats for eighty students and concrete floor upon which to exhibit animals. The equipment includes scales, measuring apparatus and a large assortment of lantern slides representing the various breeds. In the dairy barn a stock-judging arena, 30x40 feet, is available for practice in scoring animals.

For work in *Dairying* the College has a large, well-lighted laboratory, equipt with several makes of hand-power cream separators, churns, and butter workers; milk coolers, gravity

creamer, vats for cream ripening and cheese making; scales, wash sinks, sterilizer, and minor apparatus.

The milk-testing laboratory contains working desks and machinery for all modern tests of dairy products. The equipment includes Babcock testers of different sizes, cream scales, lactometers, acidmeters, butter-moisture tests, and the necessary glassware, reagents, etc.

The *Barns* and *Livestock* include: A barn for the horses and mules used on the farm and campus; a large dairy barn of modern sanitary construction, provided with concrete floors and silos, steel stanchions and fittings, for the herd of high-grade Holsteins and registered Jerseys belonging to the Experiment Station; representative animals of the Hereford and Aberdeen Angus breeds; pens and grazing-yards with modern shelters and equipment, containing breeding herds of Berkshire, Poland China, Duroc Jersey, and Chester White hogs. Other breeds and classes of animals are being added from year to year. A concrete dipping-vat, built in cooperation with the Florida State Board of Health, is used for demonstrations of cattle-tick eradication.

The *County and State Fairs of Florida* provide excellent practice each year in showing and judging animals. Students are encouraged to take part in judging contests and to aid in show-ring work. The Southeastern Fair, Atlanta, Ga., offers prizes and medals to competing teams from southern agricultural colleges. The Alachua County Fair, at Gainesville, Florida State Fair, at Jacksonville, and the South Florida Fair at Tampa offer cash prizes and diplomas to students making the best records in stock judging. Several large herds of cattle and hogs within a few miles of the University, in Alachua and Marion counties, are available for inspection and judging purposes. The meat-packing houses and dairy plants of Jacksonville and vicinity are freely offered for study, and trips for this purpose under the guidance of instructors are arranged annually.

POULTRY DEPARTMENT

The poultry department is provided with an office, storeroom, laboratory, seven laying houses, incubator house, brooder house, feed and storage house, central poultry house 16x24, with one wing 8x16. The central house will be used for class

purposes, practice shows, demonstrations, the wing being used for storage of class equipment.

The plant is provided with oil and electric heated incubators of various makes; oil, coal and electric heated brooders; various styles of trapnests, feed and water appliances; feed grinder; small coops.

The poultry plant has a good beginning of several of the popular breeds and varieties of poultry which are used in teaching, that the students may leave the College better fitted to handle a large flock of hens on the farm, or to take up poultry husbandry as a business.

VETERINARY DEPARTMENT

The *Veterinary Department* is provided with a lecture-room, with seats for eighty students. An operating room has recently been constructed and is equipt with an equine operating table, cabinets containing various medicines and surgical instruments. The laboratory is supplied with microscopes for the study of normal and diseased tissue specimens. The equipment includes also mounted skeletons of the horse and ox, an assortment of charts, models of the organs of the various farm animals, preserved specimens of diseased organs and of parasites, and a good library.

THE AGRICULTURAL CLUB.—This is a voluntary association of students of the College. Its purpose is to give training in public speaking and in preparation for leadership. The programs consist mainly of speeches, essays, and of debates on agricultural or civic topics.

SCHOLARSHIPS.—*County Scholarships.*—Provision has been made by Legislative act for a scholarship, sufficient to pay the board of a student in the College of Agriculture, from each county, to be provided for at their discretion by the various Boards of County Commissioners. The recipient is to be selected by competitive examination from among the qualified applicants.

Whether such a scholarship has been provided for may be learned from the Clerk of the Board of Commissioners or the Demonstration Agent of the county in question. Other information regarding it may be obtained from the College of Agriculture.

Boys' Clubs Scholarships.—The Florida Bankers' Association offers club boys three prize scholarships, of $100 each, in the College of Agriculture: one for the Western, one for the Central, and one for the Southern district.

Williamson and Dennis, of Jacksonville, offer a scholarship of $250 in the College of Agriculture to the State Pig Club Champion.

LOAN FUNDS.—*William Wilson Finley Foundation.*—As a memorial to the late President Finley and in recognition of his interest in agricultural education, the Southern Railway Company has donated to the University the sum of one thousand dollars ($1,000), to be used as a loan fund. No loan from this fund to an individual is to exceed $150 per year. Recipients are selected by the Dean of the College of Agriculture, to whom all applications should be directed.

Loan funds available for students in any college of the University, as well as the conditions under which loans are made, will be found described on page 41.

REMUNERATIVE AND INSTRUCTIVE LABOR.— Opportunities frequently occur for students to work in the fields and truck gardens, about the barns, in the buildings, and at the Agricultural Experiment Station. Those who, during vacation periods, engage in agricultural pursuits will be markedly benefited and after graduation will command more desirable positions or find their efforts on the farm more effective. (See also Opportunities for Earning Expenses, page 39.)

DONATIONS AND LOANS.—The laboratories have been supplied with much of their farm machinery for instructional purposes thru the generosity of the following manufacturers and distributors:

Stover Manufacturing Company, Freeport, Ill.
Florida Agricultural Supply Co., Jacksonville, Fla.
Oliver Chilled Plow Company, South Bend, Ind.
International Harvester Co., Jacksonville, Fla.
Hardie Spraying Machine, Gulf Fertilizer Co., Tampa, Fla.
Ford Motor Company, Jacksonville, Fla.
Owensboro Ditcher Co., Owensboro, Ky.
Niagara Sprayer Co., Middleport, N. Y.

COURSES.—The following courses are offered:

1. A Four-Year Course.
2. A One-Year Course.
3. Two Four-Month Courses.

FOUR-YEAR COURSE

ENTRANCE REQUIREMENTS.—See pages 44 to 49.

GROUPS.—The group courses offered afford the individual student opportunity for preparing for that branch of agriculture in which he is most interested. The Agronomy Group should be selected by those wishing to pursue general farming; the Animal Husbandry Group by those interested in fruit growing or truck farming; the Chemistry Group by those desiring to become analysts, and others in like manner.

No student will be allowed to take more than twenty hours of work, unless his general average during the previous year was at least 87, with no failure in any study; or more than twenty-two hours, unless the previous year's average was at least 90, with no failure.

CREDITS FOR PRACTICAL WORK.—Students who, by previous arrangement with the head of a department and the Dean, do practical work, during their course of study, in any recognized agricultural pursuit, and who render competent and faithful service, will, on returning to College and presenting a satisfactory written report, be entitled to one semester-hour credit for each month of such work. Such credit shall not total more than six semester-hours in the Two-Year and Four-Year courses.

FARM EXPERIENCE REQUIRED.—At least three months of practical work is required before graduation, but credit for this will be given only as stated above.

DEGREE.—The work outlined in the following tables, whatever the major subject, leads to the degree of Bachelor of Science in Agriculture (B.S.A.).

CURRICULUM

Leading to the Degree of Bachelor of Science in Agriculture

FOR ALL GROUPS

Freshman Year

Names of Courses	Nature of Work	*Hours per Week	
Agricultural Engineering I*a*	Farm Machinery and Motors	3	0
Agronomy I*b*	Farm Crops	0	3
Animal Husbandry I*b*	Types and Breeds of Animals	0	3
Biology II	General Botany	4	4
English I	Advanced College Rhetoric	3	3
Horticulture I*a*	Plant Propagation	3	0
Agricultural Engineering VI*a*	Wood Work	2	0
Agricultural Engineering VII*b*	Forge Work	0	1
Agricultural Education II*b*	Agricultural Organization	0	1
Military Science I		2	2
Physical Education		1	1
Hygiene		1	1
		19	19

Sophomore Year

Agronomy II*a*	Soils	5	0
Biology VI	Entomology	3	3
Chemistry I	General Chemistry	5	5
Horticulture I*b*	Pruning	0	3
Horticulture II*a*	Trucking	3	0
Veterinary Science I*b*	Veterinary Elements	0	2
or			
Animal Husbandry III*b* for Animal Husbandry Group	Animal Breeding	0	2
Poultry Husbandry I*b*	Farm Poultry	0	3
or			
Chemistry III*e* for Chemistry Group	Qualitative Analysis	0	3
Military Science II		2	2
Physical Education		1	1
		19	19

*The first column gives the hours per week for the first semester, the second column the hours per week for the second semester.

AGRONOMY GROUP

Junior Year

Names of Courses	Nature of Work	*Hours per Week	
Agronomy III*b*	Farm Crops	0	3
Agronomy IV*a*	Fertilizers	3	0
Biology IV*a*	Plant Physiology	4	0
Biology VI*a*	General Bacteriology	4	0
Biology VI*b*	Agricultural Bacteriology	0	4
**Chemistry IV	Agricultural Chemistry	5	5
**Agronomy V*b*	Advanced Crops	0	3
Electives		1	2
		17	17
Agricultural Engineering III	Irrigation and Drainage	3	0
Agronomy VI & VII	Farm Management	3	3
**Agronomy VIII*a*	Soil Management	3	0
Economics VI*a*	Introduction to Economics	3	0
Sociology III*b*	Rural Sociology	0	3
Horticulture VIII*b*	Plant Breeding	0	3
Biology XII*b*	Plant Pathology	0	4
Horticulture IX*b*	Landscape Gardening	0	2
Electives		5	2
		17	17

ANIMAL HUSBANDRY GROUP

Junior Year

Names of Courses	Nature of Work	*Hours per Week	
Animal Husbandry II*a*	Animal Feeding	3	0
Biology VI*a*	General Bacteriology	4	0
Biology VI*b*	Agricultural Bacteriology	0	4
Chemistry II*b*	Agricultural Chemistry	0	3
Dairying I*a*	Dairy Products	3	0
Elective		3	3
Select 11 semester hours from the following options:			
Animal Husbandry IV*a*	Beef Production	2	0
Animal Husbandry V*b*	Swine Production	0	2
Animal Husbandry VI	Animal Conformation	2	2
Dairying II*b*	Dairy Farming	0	3
Poultry Husbandry II*a*	Commercial Poultry	3	0
Poultry Husbandry III*b*	Commercial Poultry	0	3
Veterinary Science II	Anatomy and Physiology	3	3
Veterinary Science IV*a*	Farm Sanitation	2	0
		17	17

*The first column gives the hours per week for the first semester, the second column the hours per week for the second semester.

**By permission of the Dean and head of the department substitutions may be arranged for Chemistry IV, Agronomy V*b* and VIII*a*.

Senior Year

Names of Courses	Nature of Work	*Hours per Week	
Agronomy VI*a*	Farm Management	3	0
Economics VI*a*	Introduction to Economics	3	0
Sociology III*b*	Rural Sociology	0	3
Elective		4	4
Select 17 semester hours from the following options or from options of Junior Year:			
Animal Husbandry VII	Breeding History	2	2
Animal Husbandry VIII	Animal Nutrition	2	2
Dairying III*b*	Milk Inspection	0	3
Dairying IV	Dairy Manufactures	2	2
Poultry Husbandry IV*a*	Poultry Culture	2	0
Poultry Husbandry V*b*	Poultry Management	0	2
Poultry Husbandry VI*b*	Poultry Pathology	0	2
Poultry Husbandry VII*a*	Poultry Problems	2	0
Veterinary Science III	Animal Diseases	3	3
Veterinary Science V*b*	Parasitology	0	2
		17	17

HORTICULTURAL GROUP

Junior Year

Names of Courses	Nature of Work	*Hours per Week	
Agronomy IV*a*	Fertilizers	3	0
Biology IV*a*	Plant Physiology	4	0
Biology XII*b*	Plant Pathology	0	4
Biology VI*a*	General Bacteriology	4	0
Biology VI*b*	Agricultural Bacteriology	0	4
Chemistry II*b*	Agricultural Chemistry	0	3
Horticulture IV*a*	Citrus Culture	3	0
Horticulture V*b*	Citrus Harvesting, Marketing and Judging	0	3
Elective		3	3
		17	17

Senior Year

Agronomy VIII*a*	Soil Management	3	0
Agronomy VI*a*	Farm Management	3	0
Horticulture IX*b*	Landscape Gardening	0	3
Horticulture VI*a*	Advanced Citrus Problems	3	0
or			
Horticulture X*a*	General Forestry	3	0
Horticulture VIII*b*	Plant Breeding	0	3
Horticulture VII*a*	Subtropical Fruits	3	0
or			
Horticulture VII*b*	Deciduous Fruits	0	3
Economics VI*a*	Introduction to Economics	3	0
Sociology III*b*	Rural Sociology	0	3
Electives		2 or 5	5 or 8
		17	17

*The first column gives the hours per week for the first semester, the second column the hours per week for the second semester.

CHEMISTRY GROUP

Junior Year

Names of Courses	Nature of Work	*Hours per Week	
Agronomy IV*a*	Fertilizers	3	0
Biology VI*a*	General Bacteriology	4	0
Biology VI*b*	Agricultural Bacteriology	0	4
Chemistry III*e*	Qualitative Analysis	3	0
Chemistry VII*b*	Volumetric Analysis	0	3
Chemistry IV	Agricultural Chemistry	5	5
Electives		2	5
		17	17

Senior Year

Chemistry VII*a*	Gravimetric Analysis	3	0
Chemistry IX	Agricultural Analysis	3	3
Chemistry XI	Physical Chemistry	3	3
Economics VI*a*	Introduction to Economics	3	0
Sociology III*b*	Rural Sociology	0	3
Electives		5	8
		17	17

ECONOMIC BIOLOGY GROUP

Junior Year

Names of Courses	Nature of Work	Hours per Week	
Chemistry II*b*	Agricultural Chemistry	0	3
Biology IV*a*	Plant Physiology	4	0
Biology VI*a*	General Bacteriology	4	0
Biology VI*b*	Agricultural Bacteriology	0	4
Biology XI*b*	Applied Entomology	0	3
Biology XII	Plant Pathology	4	4
Electives		5	3
		17	17

Senior Year

Agronomy VI*a*	Farm Management	3	0
Economics VI*a*	Introduction to Economics	3	0
Sociology III*b*	Rural Sociology	0	3
Horticulture VIII*b*	Plant Breeding	0	3
Biology XIV*a*	Applied Pathology	3	0
Biology XV*b*	Advanced Entomology	0	3
Electives		8	8
		17	17

*The first column gives the hours per week for the first semester, the second column the hours per week for the second semester.

SMITH-HUGHES GROUP

Junior Year

Names of Courses		*Hours per Week	
Agronomy IV*a*	Fertilizers	3	0
Biology VI*a*	General Bacteriology	4	0
Biology VI*b*	Agricultural Bacteriology	0	4
Chemistry II*b*	Agricultural Chemistry	0	3
Education IX	Vocational Education	3	0
Education IV*b*	Psychology of Adolescence	0	3
or			
Education VII*b*	Educational Psychology	0	3
Education VIII	Methods of Teaching Vocational Agriculture	3	3
Electives in Agriculture		4	4
		17	17

Senior Year

Agronomy X*b*	Marketing	0	3
Agronomy VI	Farm Management	3	0
Education V*a*	Principles of Education	3	0
Education XVI	Supervised Teaching of Vocational Agriculture	3	3
Vocational Shop Work		0	2
Electives in Agriculture		8	9
		17	17

*The first column gives the hours per week for the first semester, the second column the hours per week for the second semester.

DEPARTMENTS OF INSTRUCTION

AGRICULTURAL CHEMISTRY

Professor Leigh
Associate Professor Beisler
Associate Professor Black
Assistant Professor.....

The instruction in this department is designed primarily to fit the needs of agricultural students. By means of lectures, recitations and the laboratory work, the student is taught the fundamental chemical principles underlying and controlling all plant and animal life. Laboratory courses are provided covering the quantitative analysis of agricultural products.

CHEMISTRY II*a*.—*Agricultural Chemistry*.—An elementary course for agricultural students. It presents briefly the important relationships of chemistry to plant and animal life. This course is not a prerequisite for Chemistry IV*ab* and a student taking both courses will not receive full credit. Two lectures and two hours laboratory per week, one semester. *(Prerequisite: Chem. I. 3 hours; laboratory fee $5.00.)*

CHEMISTRY IV*ab*.—*Agricultural Chemistry*.—A course designed to treat more fully the relationships of chemistry to plant and animal life. During the first semester the subject is approached from the standpoint of inorganic chemistry; in the second semester organic chemistry is introduced and is the basis of study. Three lectures and four hours laboratory per week, both semesters. *(Prerequisite: Chem. I. 5 hours; laboratory fee $5.00 for each semester.)*

CHEMISTRY IX*a*.—*Agricultural Analysis*.—The quantitative analysis of milk, butter, butter fat, vegetable oils, cereals and feeding materials. Six hours per week, one of which is devoted to a discussion of methods and principles involved and calculations. One semester. *(Prerequisites: Chemistry I, III, IV or V, and VII. 3 hours; laboratory fee $5.00.)*

CHEMISTRY IX*b*.—*Agricultural Analysis*.—The quantitative analysis of mixed fertilizers, of some of the raw materials used in mixed fertilizers, and of soils. Six hours per week, one of which is devoted to a discussion of methods and principles involved and calculations. *(One semester. Prerequisites: Chemistry I, III, IV or V, and VII. 3 semester hours; laboratory fee $5.00.)*

CHEMISTRY *X*a.—*Water Analysis*.—See Chemistry.

AGRONOMY AND AGRICULTURAL ENGINEERING

Professor Turlington Professor Rogers
Instructor Hamilton

AGRONOMY

The laboratory work and field observation aim to fix the principles learned in the classroom and to give them practical application.

AGRONOMY A.—*Elements of Agronomy.*—The soil as related to plant growth and the principles governing the production of the field and forage crops of Florida. *(Short Courses, Vocational and Normal School; 3 hours; laboratory fee $1.00 for each semester.)*

AGRONOMY B*a*.—*Fertilizers.*—An elementary study of fertilizers, their nature and reaction on the soil and crop; fertilizer formulas and home mixing. A thoroly practical course, dealing with Florida conditions. *(Short Courses, Vocational and Normal School; 3 hours.)*

AGRONOMY C*b*.—*Farm Management.*—An elementary course in organization for the farm business as a unit. The laying out of fields, location of buildings, farm accounting and important factors affecting profits will be considered. *(Short Courses, Vocational and Normal School; 3 hours.)*

AGRONOMY I*b*.—*Farm Crops.*—The various grain, fiber, and sugar crops with respect to their habits of growth, soil adaptations, fertilizer requirements, general methods of tillage and harvesting, and the most profitable forms in which to market them. Special attention will be given to corn, cotton, and sugar cane. *(Class 2 hours, laboratory 2 hours; credit 3 hours; laboratory fee $1.00.)*

AGRONOMY II*a*.—*Soils.*—The physical, chemical, and biological properties of soil as related to soil fertility and crop production; soil management and drainage. *(Prerequisite: Agronomy Ib. Class 3 hours; quiz 1 hour; laboratory 2 hours; credit 5 hours; laboratory fee $1.00.)*

AGRONOMY III*b*.—*Forage Crops; Legumes, Grasses, etc.*—Legumes, grasses, and miscellaneous forage plants, and their adaptability to the various Florida soils, seeding and cultural methods, harvesting and storing, composition and use, illustrated by specimens brought before the students and by field observations. *(Prerequisite: Agronomy Ib. 3 hours; laboratory fee $1.00.)*

AGRONOMY IV*a*.—*Fertilizers*.—The nature, composition, and sources of fertilizers and their reaction on soils and crops. Fertilizer formulas manufacture and home-mixing. The making and economical use of farm manures. Fertilizer requirements for various crops, etc. *(Prerequisite: Agronomy IIa and Chemistry I. 3 hours.)*

AGRONOMY V*b*.—*Advanced Crops*.—The methods of experimentation and the results found by investigators; a detailed study of one or more important Florida crops, and detailed reports prepared by each student on the crop or crops of most interest to him. *(Prerequisite: Agronomy Ib and IIa. 3 hours.)*

AGRONOMY VI*a*.—*Farm Management*.—The factors of production; systems of farming, their distribution and adaptation; farm accounts; problems of labor, machinery, storing, marketing, laying out farms, rotation systems. *(Prerequisite: Sophomore year. 3 hours.)*

AGRONOMY VII*b*. — *Farm Management*. — Special stress given to laying out and locating various buildings, lots, fields, and crops; cropping systems; surveys made in other states. *(Prerequisite: Agronomy VIa. 3 hours.)*

AGRONOMY VIII*a*.—*Soil Management*.—Factors in crop production, loss of plant food, methods and results obtained by investigators; laboratory and field experiments. *(Prerequisite: Agronomy IIa. 3 hours.)*

AGRONOMY IX*a*.—*Rural Law*.—Classification of property, boundaries, fences, stock laws, rents, contracts, deeds, abstracts, mortgages, taxes, laws governing shipping, etc. *(Prerequisite: Sophomore year; 2 hours.)*

AGRONOMY X*b*.—*Marketing*.—Problems involved in marketing and distributing farm products; marketing organizations and laws under which they are operated. The relation to foreign trade and general business conditions to the farmers' market, weaknesses of present system and ways of improvement. *(Prerequisite: Agronomy VI. Elective; 3 hours.)*

AGRONOMY XI*b*.—*Farm Records*.—Methods and practice of making and keeping farm inventories, feed records, crop records, production and cost records and a detailed study of Florida Surveys. *(Prerequisite: Sophomore year. Elective; 3 hours.)*

AGRONOMY XII*a* or *b*.—*Special Courses*.—Special Courses will be offered at the option of the instructors, on approval of the Dean.

AGRICULTURAL ENGINEERING

Professor Rogers

AGRICULTURAL ENGINEERING A*b*.—*Farm Machinery*.—Care, construction, operation and selection of farm machinery. *(Short Courses, Vocational Students, class 1 hour, laboratory 4 hours; laboratory fee $1.00.)*

AGRICULTURAL ENGINEERING I*a*.—*Farm Machinery*.—The construction, selection, and operation of seeding, tilling, and harvesting machinery. *(Class 1 hour, laboratory 4 hours; credit 3 hours; laboratory fee $1.00.)*

AGRICULTURAL ENGINEERING II*b*. — *Farm Motors*. — The sources of power on the farm: windmill, gasoline and kerosene engines; special attention given to farm tractors. *(Prerequisite: Agricultural Engineering I. Class 2 hours, laboratory 2 hours; credit 3 hours; laboratory fee $3.00.)*

AGRICULTURAL ENGINEERING III*a*.—*Drainage and Irrigation*.—Farm surveying, drainage and irrigation systems; practice in making surveys and in designing systems. *(Prerequisite: Agricultural Engineering I. Class 2 hours, laboratory 2 hours; credit 3 hours; laboratory fee $2.00.)*

AGRICULTURAL ENGINEERING IV*a*. — *Farm Buildings*. — Ventilation, sanitation, construction, cost, management, laboratory work in designing and drawing plans. *(Class 2 hours, laboratory 2 hours; credit 3 hours; laboratory fee $2.00.)*

AGRICULTURAL ENGINEERING V*b*. — *Farm Concrete*. — A study of the selection of materials for concrete work, and their mixing, placing and curing, with the construction of structures as found on the farm. *(Class 1 hour, laboratory 2 hours; credit 2 hours; laboratory fee $1.00.)*

AGRICULTURAL ENGINEERING VI*a*.—*Wood Work*.—Practice in care, use and adjustment of wood working tools, exercises in bench work, farm equipment and farm building construction. *(Laboratory 4 hours; credit 2 hours; laboratory fee $1.00.)*

AGRICULTURAL ENGINEERING VII*b*.—*Forge Work*.—Practice in forging, welding and tempering. *(Laboratory 2 hours; credit 1 hour; laboratory fee $1.00.)*

AGRICULTURAL EDUCATION

Professor Turlington

AGRICULTURAL EDUCATION II*b*.—*Agricultural Organizations*.—The organization and proceedings of agricultural societies. *(Freshman year; 1 hour.)*

AGRICULTURAL JOURNALISM

Assistant Professor Stoutamire

AGRICULTURAL JOURNALISM I*a*. — *Principles of Agricultural Journalism*.—Practical work in gathering and writing news, reading copy and editing. Students will prepare copy for the press and be encouraged to act as reporters of University activities to their home-town newspapers. *(3 hours.)*

AGRICULTURAL JOURNALISM II*b*. — *The Principles and Technique of Short Feature Story*. — Students will write stories for the press and be encouraged to send contributions particularly to their home-town newspapers. Assignments for library work will include current magazine stories. A number of lectures will be given by leading Florida newspaper men. *(3 hours.)*

ANIMAL HUSBANDRY AND DAIRYING

Professor Willoughby

ANIMAL HUSBANDRY

The livestock industry holds an important place in Florida, as it commands a steady income and is a valuable aid in maintaining soil fertility. The basic principles taught in the College are applicable to all parts of America, altho special instruction is given for Florida conditions.

ANIMAL HUSBANDRY A*a*.—*Elements of Animal Husbandry*. —History, types and breeds of farm animals, with elementary principles of breeding and selection. *(Short Courses, Vocational, and Normal School; 3 hours.)*

ANIMAL HUSBANDRY B*b*.—*Live Stock Feeding and Management*.—Relation of soils, plants and animals; methods of feeding and handling different classes of farm animals. *(Short Courses, Vocational, and Normal School; 3 hours.)*

ANIMAL HUSBANDRY I*b*.—*Types and Breeds of Animals*.—Types and classes of farm animals; leading breeds of horses,

mules, cattle, sheep, and swine; practice in score-card and comparative judging. Animals owned by the College will be studied, and occasional trips made to nearby stock farms and stables. *(Class 2 hours, laboratory 2 hours; credit 3 hours.)*

ANIMAL HUSBANDRY II*a*.—*Animal Feeding.*—Composition of plants and animals; digestion and assimilation; feeding standards and balanced rations. Feeding methods for different classes of animals. *(Prerequisite: Animal Husbandry I. 2 hours.)*

ANIMAL HUSBANDRY III*b*.—*Animal Breeding.*—Principles underlying the breeding of animals, including heredity, variation, selection, environment; foundation and management of a breeding business. *(Prerequisite: Animal Husbandry I. 2 hours.)*

ANIMAL HUSBANDRY IV*a*.—*Beef Production.*—Practical methods in beef production; selection, feeding and management of beef cattle; finishing and marketing; slaughtering and packing. Consideration of same subjects in mutton production. *(Prerequisites: Animal Husbandry I and II. 2 hours.)*

ANIMAL HUSBANDRY V*b*.—*Swine Production.*—Location and equipment of a hog farm, breeds of swine suited to the South; growing feeds for grazing and fattening; feeding and managing the herd; marketing and slaughtering, curing meats on the farm. *(Prerequisites: Animal Husbandry I and II. 2 hours.)*

ANIMAL HUSBANDRY VI*a* or *b*.—*Animal Conformation.*—Detailed study and measurement of market types and classes of animals; advanced stock-judging and show-ring practice at county and state fairs. *(Prerequisite: Animal Husbandry I. 2 hours.)*

ANIMAL HUSBANDRY VII*a* or *b*.—*Breed History and Seminar.*—Advanced work in history of breeds, pedigrees and registration methods; historical review of the livestock industry and its relation to agriculture. *(Prerequisite: Animal Husbandry III. 2 hours.)*

ANIMAL HUSBANDRY VIII.—*Animal Nutrition.*—Review of latest books on nutrition of animals, by Armsby, Henry, Kellner and others. *(Prerequisite: Animal Husbandry II. 2 hours.)*

ANIMAL HUSBANDRY IX. — *Breeding Principles.* — Advanced work in principles of animal breeding and physiology of reproduction. *(Prerequisites: Animal Husbandry III and Veterinary Science I. 2 hours.)*

DAIRYING

DAIRYING A*b.*—*Elements of Dairying.*—Composition and testing of milk; buttermaking on the farm; care and management of dairy herd. *(Short Courses, Vocational and Normal School; 3 hours; laboratory fee $1.00.)*

DAIRYING I*a.*—*Dairy Products.*— Secretion, composition, properties of milk; testing milk and its products; methods of creaming; use of cream separators; manufacturing butter, cheese, etc. *(3 hours; laboratory fee $2.00.)*

DAIRYING II*b.*—*Dairy Farming.*— Locations suitable for dairy farming; construction of sanitary barns, dairy houses, silos; selection of breeds, feeding and management of herd, testing and herd records; pastures, soiling crops, silage; marketing products. *(Prerequisite: Dairying Ia. 3 hours.)*

DAIRYING III*b.*—*Milk Inspection.*—Methods of producing sanitary milk, operation of county and city milk plants; state and municipal dairy laws; work of city milk inspector, score-card practice with dairy herds and milk depots. *(Prerequisites: Dairying Ia and IIb and Bacteriology. 3 hours; laboratory fee $1.00.)*

DAIRYING IV.—*Dairy Manufactures.*—Advanced work in making butter, cottage and Cheddar cheese, fermented milks, ice-cream and other market products; creamery management and accounting. *(Prerequisite: Dairying Ia. 2 hours; laboratory fee as necessary to cover cost of materials.)*

POULTRY HUSBANDRY

Professor Sanborn

POULTRY HUSBANDRY I*b.*—*Farm Poultry.*—Value of poultry industry, the leading breeds and varieties of poultry; location and construction poultry buildings; feeding and management for egg and meat production; rearing of chicks and care of adult birds on the farm. *(For groups other than Animal Husbandry. Class 2 hours, laboratory 2 hours; credit 3 hours; laboratory fee $1.00.)*

POULTRY HUSBANDRY II*a*.—*Commercial Poultry Keeping.*—Growing and maturing pullets, getting fall and winter eggs, winter lighting, feeding, houses and yards, mating, showing and advertising. *(Class 2 hours, laboratory 2 hours; credit 3 hours; laboratory fee $1.00.)*

POULTRY HUSBANDRY III*b*.—*Commercial Poultry Keeping.*—Continuation of Poultry Husbandry II*a*. Incubation, brooding, rearing, spring and summer work; culling; farm grown feeds and poultry pasture; marketing. *(Prerequisite: Poultry Husbandry IIa. Class 2 hours, laboratory 2 hours; credit 3 hours; laboratory fee $2.00.)*

POULTRY HUSBANDRY IV*a*.—*Advanced Poultry Culture.*—Origin and study of breeds and varieties, score card and comparison judging, latest methods of selecting high and low producing hens, mating for producing breeders and winners, actual judging. *(Prerequisites: Poultry Husbandry II and III. 2 hours; laboratory fee $1.00.)*

POULTRY HUSBANDRY V*b*.—*Poultry Management.*—Study of large poultry farms, equipment, planning of buildings of all kinds, laying out poultry plants and their care, markets and marketing. *(Prerequisites: Poultry Husbandry II and III. 2 hours.)*

POULTRY HUSBANDRY VI*b*.—*Pathology.*—Anatomy, physiology, diseases, parasites, sanitation. *(Prerequisite: Poultry Husbandry I or III. 2 hours.)*

POULTRY HUSBANDRY VII*a*.—*Project Problems.*—Subject to be arranged with instructor. Egg hatching investigations; poultry feeding; history and results of sorehead, etc. *(Prerequisites: Poultry Husbandry II and III. 2 hours.)*

VETERINARY SCIENCE

Professor Shealy

The aim of this department is to provide training which will enable students to detect diseases more readily and to understand their seriousness, and to become familiar with simple methods of treatment and means of eradication and prevention. All students interested in stockraising will find this training helpful. The courses also form a good foundation for students wishing to enter the profession of veterinary medicine.

VETERINARY SCIENCE I*b*.—*Veterinary Elements*.—Elementary anatomy and physiology of the domestic animals; causes and symptoms of common diseases of animals; methods of prevention, disinfection, and sanitation. Simple surgical operations, occasional clinics. *(For groups other than Animal Husbandry. Prerequisite: Animal Husbandry Ib. 2 hours.)*

VETERINARY SCIENCE II. — *Veterinary Anatomy and Physiology*.—Anatomy, including the skeleton, articulations, muscles, large blood-vessels and nerves, and internal organs; physiology, including circulation, respiration, digestion, and absorption; also the skin, the body excretions, the nervous system, and the special senses. *(Prerequisite: Animal Husbandry Ib and IIa. Class 2 hours; laboratory 2 hours; credit 3 hours; laboratory fee $2.50 for each semester.)*

VETERINARY SCIENCE III.—*Diseases of Farm Animals*.—Causes, symptoms, treatment, and prevention of common diseases of farm animals. Special attention given to contagious diseases, such as tuberculosis, hog cholera, contagious abortion, Texas fever, and rabies; sanitation following contagious diseases; technic of holding and study of findings of post-mortems. Clinic of at least 2 hours will be held one afternoon of each week. The use of serum and virus in the control of hog cholera will be demonstrated. *(Prerequisite or corequisite: Veterinary Science I or II. Class 2 hours; clinic 2 hours; credit 3 hours; laboratory fee $1.00 for each semester.)*

VETERINARY SCIENCE IV*a*.—*Farm Sanitation and Animal Hygiene*. — Wholesome water, sources of water, impurities found in water; wholesome food, diseases caused by unwholesome food; pure air, impurities of air and diseases produced by them, ventilation, disposal of excreta; disposal of carcasses; disinfection, agents employed; sanitation following infectious diseases; hygiene of breeding animals. *(2 hours.)*

VETERINARY SCIENCE V*b*.—*Parasitology*.—Common parasitic diseases of animals; life-history of parasites producing disease; symptoms of diseases, means of eradication and control of parasites. Lantern slides and natural specimens are used. *(2 hours.)*

HORTICULTURE

Professor Floyd Assistant Professor Lord

In a subtropical climate unusual opportunities for the study of horticulture are presented. The wonderful variety of plants, the peculiar problems involved in their growth and development, and the accomplishments of those who have given time and labor to the solution of these problems, offer inviting fields for study and experiment. Both the practical and the esthetic tendencies may be cultivated.

The department with its orchard, garden, laboratory, and library, offers fine opportunity for instruction, experiment, and research.

HORTICULTURE A.—*Elements of Horticulture.*—The fundamental principles of horticulture; practice in the culture, propagation, pruning and training of the important fruit and ornamental plants of Florida. *(Short Courses, Vocational, Normal School. Class 2 hours, field or laboratory 2 hours; laboratory fee $1.00 for each semester.)*

HORTICULTURE B*b*.—*Insects and Diseases of Citrus.*—Injurious insects and important physiological and fungus diseases and their treatment. *(Short Courses, Vocational. Class 2 hours, laboratory 2 hours; laboratory fee $2.00.)*

HORTICULTURE I*a*.—*Plant Propagation.*—Propagation by means of division, cutting, layering, budding, and grafting; seed selection, storing, and testing; and the fundamental physiological processes; practice in propagating common fruits, flowers, and shrubs. *(Class 2 hours; field or laboratory 2 hours; credit 3 hours; laboratory fee $1.00.)*

HORTICULTURE I*b*.—*Pruning.*—Principles of pruning and training; the physiological principles involved; practice in pruning and training fruit and ornamental plants. *(Class 2 hours, field or laboratory 2 hours; credit 3 hours; laboratory fee $1.00.)*

HORTICULTURE II*a*.—*Trucking.*—Origin, relationship and classification of different truck crops, varieties, cultural methods in different sections, fertilizing, irrigating and harvesting. Planning the home garden. *(Class 2 hours, field 2 hours; credit 3 hours; laboratory fee $1.00.)*

HORTICULTURE II*b*.—*Advanced Trucking.*—Soils suited to the leading commercial truck crops of Florida, cultural meth-

ods, fertilizing, irrigating, controlling insects and diseases, harvesting, packing and marketing. *(Class 2 hours, field 2 hours; credit 3 hours. Prerequisites: Biology II and VI. Laboratory fee $2.00.)*

HORTICULTURE III*b*.—*Floriculture*.—The growing of flowers upon the home grounds, pot plants, greenhouse crops and their cultural requirements, including ventilation, watering, and heating. *(Prerequisite: Horticulture II, Biology II. Class 2 hours, laboratory 2 hours; credit 3 hours.)*

HORTICULTURE IV*a*.—*Citrus Culture*.—The citrus grove; site and soil selection; preparation, planting and management; selection of varieties and stocks, and the use of cover crops. *(Class 2 hours, field or laboratory 2 hours; credit 3 hours.)*

HORTICULTURE V*b*.— *Citrus Harvesting, Marketing and Judging*.—Methods of picking, handling, washing, drying, packing, and shipping citrus fruits; identification of the leading commercial varieties and score-card judging. *(Prerequisite: Horticulture IV. Class 2 hours, field or laboratory 2 hours; credit 3 hours; laboratory fee $1.00.)*

HORTICULTURE VI*a*.—*Advanced Citrus Problems*.—An advanced course especially emphasizing the problems set by varying sites, soils, climates, stocks, varieties, etc. *(Prerequisite: Horticulture IV. Class 2 hours, field 2 hours; credit 3 hours.)*

HORTICULTURE VII*a*.—*Subtropical Fruits*. — Avocados, mangoes, pineapples and other tropical and subtropical fruits particularly adapted to Florida; culture, varieties, insects, diseases, etc. *(Prerequisite: Horticulture I. Class 2 hours, field or laboratory 2 hours; credit 3 hours.)*

HORTICULTURE VII*b*.—*Deciduous Fruits*.—Peaches, pears, grapes, and other deciduous fruits with special reference to Florida conditions, culture, varieties, insects, diseases, etc. *(Prerequisite: Horticulture I. Class 2 hours, field or laboratory 2 hours; credit 3 hours.)*

HORTICULTURE VIII*b*.—*Plant Breeding*.—Cross pollination and hybridization of plants, improvement by selection, breeding for special qualities, methods of successful breeders; field work. *(Prerequisites: Horticulture I and Biology II. Class 2 hours, field or laboratory 2 hours; credit 3 hours; laboratory fee $1.00.)*

HORTICULTURE IX*b*.—*Landscape Gardening*.—The principles of landscape gardening, suitable plants, improvement of home, school, and public grounds. *(Prerequisite: Biology II and Horticulture III. Class 2 hours, laboratory 2 hours; credit 3 hours.)*

HORTICULTURE X*a*.—*General Forestry*.—The principles of forestry, forest cropping, protecting the home wood lot, use of Florida woods, varieties of timber trees, and the influences of the forests on other industries of the State. *(3 hours.)*

BOTANY A.—*Agricultural Botany*.—The relationship, habits, characteristics and environmental relations of the important crop plants, with laboratory study of principal types. *(Short Courses, Vocational, Normal School. Class 2 hours, laboratory 2 hours; laboratory fee $2.00.)*

OTHER DEPARTMENTS

Descriptions of other subjects that may be taken by students in the College of Agriculture can be found by reference to the Index.

ONE-YEAR COURSE IN AGRICULTURE

This course will meet the needs of those who can spend only one year at school. The only requirement for admission is a knowledge of the common-school branches. Certificates will be granted to those who complete the work.

NAMES OF COURSES	NATURE OF WORK	HOURS PER WEEK
(First Semester)		
Agronomy A	Elements of Agronomy	3
Agronomy B	Fertilizers	3
Horticulture A	Elements of Horticulture	3
Animal Husbandry A	Elements of Animal Husbandry	3
Electives, not less than		6
		18
(Second Semester)		
Agronomy A	Elements of Agronomy	3
Horticulture A	Elements of Horticulture	3
Agronomy C	Farm Management	3
Animal Husbandry B	Livestock Feeding and Management	3
Agricultural Engineering A	Farm Machinery	3
Botany A	Agricultural Botany	3
Electives, not less than		3
		21

A second year's work may be taken provided one subject is selected in Agronomy, one in Animal Husbandry, one in Horti-

culture, Military Science I or II, and others to make up not less than 18 hours in all, with advice and consent of the Dean.

Students with High School preparation may take subjects from the Four-Year curriculum.

FOUR-MONTH COURSES IN AGRICULTURE

The work of each semester of the One-Year Course outlined above has been so planned as to form of itself a well rounded course of study which can be pursued to advantage by those unable to spend more than four months at the University. Each of these Four-Month Short Courses should appeal to farmers who wish to increase their productive power, to young men who expect to become farmers, and to those who are turning from other lines of work in order to obtain the advantages of country life.

Military Drill is not required of those who take one or both of these courses, but it may be elected.

FARMERS' WEEK

Beginning August 9, 1923; ending August 16, 1923.

Farmers' Week is especially suited to the needs of the following classes: Farm men and farm women of all ages who recognize their need for some training in scientific agriculture in order to render more effective the practical knowledge they have already gained; young men who are compelled to drop out of school and yet desire to devote a short time to special preparation for work on the farm; city students who wish to fit themselves for farm life; colonists who wish information regarding Florida conditions and methods.

The laboratory equipment, the purebred livestock, and the farms will be available for instruction; the Agricultural Experiment Station and State Plant Board will afford opportunity for observation and inquiry. Care has been taken to meet the needs of practical farmers. The courses will consist of lectures, laboratory work, and field observations and demonstrations in general field crops, soils, vegetable gardening, citrus, animal husbandry, dairying, poultry, veterinary science, bee culture, and agricultural engineering.

There are no age limits and no educational requirements for admission. No tuition fee is charged.

EXPENSES.—The necessary expenses for room and board will approximate $15.00.

The University Dormitories and Dining Room will be available.

CORRESPONDENCE COURSES

Correspondence Courses in Agriculture are offered under the General Extension Division. See page 199.

AGRICULTURAL MEETINGS

A large number of people interested in agriculture meet annually at the University. These find excellent accommodations and facilities better for their purposes than anywhere else in the State. Laboratories, classrooms, and exhibits, as well as the growing crops, barns, and other equipment, are placed freely at their service.

AGRICULTURAL EXPERIMENT STATION

WILMON NEWELL, *Director*

STAFF.—Wilmon Newell, C. E. Bell, A. H. Beyer, O. F. Burger, J. M. Coleman, J. H. Jefferies, Harold Mowry, A. W. Leland, Jesse Reeves, R. W. Ruprecht, J. M. Scott, W. E. Stokes, R. Stoutamire, W. B. Tisdale, T. Van Hyning, J. R. Watson, G. F. Weber.

AIM AND SCOPE.—Agricultural experiment stations are institutions, founded by Congressional act, the purpose of which is to acquire and diffuse agricultural knowledge. From the enacting clause it is evident that Congress intended to establish in connection with every college and university receiving the benefits of the original "Land-Grant Act" an institution for purely investigational work.

The Florida Agricultural Experiment Station was founded in 1887 and has continued without interruption. Inasmuch as its funds are obtained from Federal sources, it must comply with the Federal law: Its income must be used for acquiring new and important knowledge in regard to crops and soils and no part can be expended, directly or indirectly, for teaching purposes or for holding Farmers' Institutes, and only five per cent. for building or making repairs. In order to receive the benefits of the Adams fund, the Station must, before any money is spent in investigation, submit plans for proposed experiments to the U. S. Department of Agriculture for approval.

ADVANTAGES OF LOCATION.—The advantages of having the Agricultural Experiment Station at the University are obvious. At frequent intervals the investigators deliver popular and technical lectures, either to the student-body as a whole or to special clubs and local organizations. As the fields and orchards of the Station are used solely for experimental purposes and as its laboratories are planned and conducted for research work, they contribute to the opportunities of the students for studying methods of scientific investigation. Some of those with special aptitude have an opportunity of assisting the specialists in charge.

Minor positions, such as those of laboratory assistant, are occasionally open and, whenever practicable, are given to graduates of the University. Such assistants are paid a small

salary for half of their time and during the other half are free to take studies leading to higher degrees.

BUILDING.—See page 22.

LINES OF INVESTIGATION.—The lines of investigation carried on fall naturally into several departments: Horticulture, including the introduction, breeding, and propagation of plants; Animal Industry, including the study of feed crops, the effect of feeding certain crops to cattle and hogs, and the growing of feed and forage crops; Agronomy, including the breeding of corn, and other farm crops; Plant Pathology, including the study of plant diseases produced by fungi and bacteria; Chemistry, including the study of fertilizers and soils, especially as to their effects on plants; Entomology, including the study of insecticides and insects and their parasites. The work of the Station is, however, not sharply divided among these different departments. The Staff formulates what are known as projects, the work of which is continued regardless of whether its ramifications take it into one or another department, and not infrequently two or more departments are engaged in the solution of the same project —in other words, the work is limited only by the abilities of the Staff and the resources of the institution.

PROJECTS.—Some of the more important projects are:

1. The study of soils and fertilizers in their relation to plant growth and development.
2. The study of certain citrus diseases: gumming, melanose, anthracnose, blight, and stem-end decay.
3. The study of vegetable diseases: cantaloupe blight, bacterial diseases of cucumbers and other vegetables, and seed-bed diseases affecting lettuce, celery, eggplant, and tomatoes.
4. The study of the pineapple wilts.
5. The study of velvet-bean caterpillar.
6. The control of root-knot.
7. The control of thrips and scale-insects.
8. Sugar cane investigations.
9. The trying out of different forage crops for all kinds of livestock.
10. Experiments with different kinds of silage with a view to determining the best for the use of the Florida stock raiser.
11. Experiments with the dairy herd. Studying the value of velvet beans, peanut meal and cottonseed meal for milk production.
12. Comparison of the most economical rations for pork production.
13. Studying the effect of peanut meal on the quality of pork.
14. Studying the effect of velvet beans as a feed for brood sows.
15. Value of velvet beans and peanut meal for beef production.
16. Study of tobacco diseases.
17. Cooperative experiments with farmers in various sections of the State to ascertain the value of certain new forage crops.

18. Testing the native and extensively introduced wild grasses to determine their possible value as forage.
19. Study of diseases and insects of truck crops.
20. Citrus Canker Investigations.
21. Citrus Breeding Work.

BRANCH STATIONS

The establishment of Branch Experiment Stations at Lake Alfred and Quincy, and one in the Everglades, will not only increase the scope of work of the Station, but will presently supply a large fund of information that will be of value to farmers and fruit growers in the different sections of the State.

PUBLICATIONS.—The publications fall into three classes: Bulletins, Press Bulletins, and Annual Reports. The Bulletins contain more or less complete results of some particular investigation. At least four are issued annually; one hundred and sixty-five have appeared. The Press Bulletins are prepared in order to bring to the citizens of Florida information connected with the investigations that are being carried on, before all the work necessary for the publishing of a Bulletin has been completed. They are issued at short intervals, three hundred and forty-two having already appeared. The Annual Reports contain a brief statement of the work done, as well as of the expenditure of funds. Thirty have been published.

All of these publications are distributed free upon request.

AGRICULTURAL EXTENSION DIVISION

WILMON NEWELL, *Director*

STAFF.—A. With headquarters at Gainesville: Wilmon Newell, A. P. Spencer, E. W. Jenkins, H. G. Clayton, S. W. Hiatt, R. W. Blacklock, N. W. Sanborn, J. M. Scott, Hamlin L. Brown, Ed. L. Ayers, Ralph Stoutamire.

B. With headquarters at Tallahassee:

Miss S. W. Partridge, *State Home Demonstration Agent.*
Miss H. B. Layton, *Assistant State Agent.*
Miss May Morse, *Extension Home Dairy Agent.*
Miss Minnie Floyd, *Extension Farm Poultry Agent.*
....., *Nutrition Agent.*
....., *Home Clothing Agent.*
Miss Ellen LeNoir, *District Agent.*
Miss Agnes I. Webster, *District Agent.*
A. A. Turner, *Local District Agent (Colored).*

COUNTY AGENTS

County	Name	Address
Alachua	R. L. King	Gainesville
Bay	R. R. Whittington	Panama City
Brevard	P. M. Childers	Cocoa
Clay	W. T. Nettles	Green Cove Springs
Columbia		Lake City
Dade	J. S. Rainey	Miami
De Soto		Arcadia
Duval	W. L. Watson	Jacksonville
Escambia	J. Lee Smith	Pensacola
Flagler	L. T. Nieland	Bunnell
Hamilton	J. J. Sechrest	Jasper
Hernando	J. T. Daniel	Brooksville
Hillsboro	R. T. Kelley	Plant City
Jefferson	H. H. Rothe	Monticello
Lake	E. F. DeBusk	Tavares
Lee	H. E. Stevens	Ft. Myers
Levy	N. J. Albritton	Williston
Liberty	A. W. Turner	Bristol
Madison	B. E. Lawton	Madison
Manatee	W. R. Briggs	Bradentown
Marion	K. C. Moore	Ocala
Okaloosa	R. J. Hart	Laurel Hill
Orange	C. D. Kime	Orlando
Osceola	Leo H. Wilson	Kissimmee
Palm Beach	J. A. Dew	West Palm Beach
Pasco	F. G. Merrin	Dade City
Polk	Wm. Gomme	Bartow
Putnam	D. A. Armstrong	Palatka
St. Johns	J. O. Traxler	St. Augustine
St. Lucie	A. Warren	Ft. Pierce
Santa Rosa	John G. Hudson	Milton
Seminole	B. F. Whitner, Jr.	Sanford
Suwannee	C. E. Matthews	Live Oak
Taylor	R. J. Dorsett	Perry
Volusia		DeLand
Wakulla	G. C. Hodge	Crawfordville
Walton	J. W. Mathison	DeFuniak Springs

HOME DEMONSTRATION AGENTS

County	Name	Address
Alachua	Miss Lynn McNutt	Gainesville
Columbia	Miss Marie Cox	Lake City
DeSoto	Mrs. Nettie B. Crabill	Arcadia
Duval	Miss Pearl Lafitte	Jacksonville
Escambia	Miss Dorothy Mitchell	Pensacola, Court House Annex
Gadsden	Miss Ruby McDavid	Hinson
Glades		Moore Haven
Hernando	Mrs. J. W. Palmer	Brooksville
Hillsboro (East)	Miss Blanche Glenn	Plant City
Hillsboro (West)	Miss Mary R. Symonds	Tampa, City Hall
Jackson	Miss Martha McCall	Marianna
Lake	Miss Ora Odom	Tavares
Lee	Miss Lucy Belle Settle	Ft. Myers
Leon	Mrs. A. H. Peay	Tallahassee
Madison	Mrs. Audrey S. Lawton	Madison
Manatee	Miss Margaret Cobb	Bradentown
Okaloosa	Miss Bertha Henry	Crestview
Orange	Mrs. Nellie W. Taylor	Orlando
Osceola	Miss Albina Smith	Kissimmee
Palm Beach	Mrs. Edith Y. Morgan	West Palm Beach
Pasco	Mrs. Harriette Ticknor	Dade City
Pinellas		Clearwater
Polk	Miss Lois Godbey	Bartow
Putnam	Miss Floresa Sipprell	Palatka
St. Johns	Miss Anna E. Heist	St. Augustine
Santa Rosa	Mrs. Winnie W. McEwen	Milton
Sumter	Miss Mae Morris	Bushnell
Taylor	Miss Annabel Peaden	Perry
Volusia	Miss Orpha Cole	DeLand
Wakulla		
Walton	Mrs. Grace F. Warren	DeFuniak Springs
Washington	Miss Ophelia Clinkscale	Chipley

COOPERATIVE EXTENSION WORK

The Agricultural Extension Division supports a system of practical education. It teaches the results of scientific experiments in farm crops and livestock, in orchards and gardens, and gives practical information gained by experience. It offers farm women instruction in home economics—prac-

tical instruction in the home or at a community center; scientific instruction thru special courses at the State College for Women. It teaches the boys and girls of farm homes the best practices in successful agriculture, horticulture and livestock, and stimulates thru competition the application of such practices on the farm and in the home.

A synopsis of Co-operative Agricultural Extension Work includes:

(A) Demonstrations in Agricultural and Horticultural Crops.
Demonstrations in dairying.
Demonstrations in hog raising.
Demonstrations in poultry raising.
Farmers' cooperative organizations.
Farmers' cooperative marketing and purchasing associations.
Demonstrations in insect and disease control.

(B) Boys' Agricultural Clubs:
Corn clubs.
Pig and fattening clubs.
Peanut clubs.
Calf clubs.
Potato clubs.
Bee clubs.

(C) Home Demonstration Work:
Gardening clubs.
Poultry clubs.
Beekeeping clubs.
Food conservation.
Nutrition.
Home dairy work.
Home improvement.

(D) Extension Schools:
Citrus seminar.
Live stock roundup.
County agents' annual meeting.
Home demonstration agents' annual meeting.
Boys' clubs annual meeting.
Girls' clubs annual meeting.
County agricultural schools, arranged by county agents.

(E) Demonstration Work with Colored Farmers:
Agricultural club work for boys and girls.
Home demonstration work with colored women and girls.
Agricultural extension schools for colored people.

SMITH-LEVER ACT.—In accordance with the terms of the Smith-Lever Act, effective July 1, 1914, Agricultural Extension Work is carried on cooperatively by the U. S. Department of Agriculture and the State of Florida. In addition to this, in 1919 Congress passed the Smith-Lever Supplementary Act appropriating an additional sum for the same purpose.

The purpose of these Acts may be seen from the following quotation:

"That cooperative agricultural extension work shall consist of the giving of instruction and practical demonstration in agriculture and home

economics to persons not attending or resident in said colleges in the several communities, and imparting to such persons information on said subjects through field demonstrations, publications, and otherwise; and this work shall be carried on in such a manner as may be mutually agreed upon by the Secretary of Agriculture and the State agricultural college or colleges receiving the benefits of this act."

By the terms of the Smith-Lever Act the College of Agriculture receives $10,000 a year, and an additional sum which increases annually provided that the State appropriates an equal amount. The Legislature has enacted laws enabling the State to secure the benefits of both the original Smith-Lever and the Supplementary Act, the total amount of State and Federal funds consequently available for the fiscal year ending June 30, 1923, being $123,240.58.

The College is also permitted by the above-mentioned legislation to enter into agreement with the U. S. Department of Agriculture, whereby the Department provides specialists in livestock, dairying, fruit culture, trucking, and in home economics, who, working under the Director of Agricultural Extension Work and with County and Home Demonstration Agents, coordinate the activities of the Bureaus with those of the Agricultural Extension Division of the University.

ORGANIZATION.—The organization for Florida consists of:

The *Director*, the chief executive in shaping and directing policies and in arranging co-operation with other agencies.

The *Vice Director and County Agent Leader*, who has general supervision of county agent work, and specialists in men's work, and is assistant to the Director in a general way.

The *State Home Demonstration Agent*, who has general supervision of all Home Demonstration Work.

The *Assistant State Home Demonstration Agent*, who is in charge of programs for girls' clubs.

District Agents, who make visits regularly to the County and Home Demonstration Agents, advising them and planning their work. The State is divided into three districts: Central and East Florida, North and West Florida, and South Florida.

Boys' Agricultural Club Agent, in general charge of all Agricultural Clubs organized by County Agents.

The *Extension Farm Poultry Agent*, who is responsible for all subject matter in poultry work conducted by Home Demonstration Agents, and who assists in organizing poultry clubs.

The *Extension Home Dairy Agent,* who is responsible for subject matter to direct the proper dietary use of dairy products, dairy sanitation and home dairy problems.

Nutrition Agent, who is responsible for the subject matter governing all nutrition problems in extension work.

The *Extension Clothing Agent,* who lays out and plans work for Home demonstration agents in matters of clothing.

Extension Poultryman, who assists county workers in conducting poultry extension work.

Extension Dairyman, who is responsible for general plans to govern all dairy extension work.

Extension Entomologist and Plant Pathologist, who assists county agents in the control of diseases and insect pests affecting all crops.

Animal Industrialist, who is responsible for the subject matter governing all livestock extension work.

Agricultural Editor, who is responsible for editing all publications.

County and Home Demonstration Agents, who visit farms and homes to enlist cooperation and to help in carrying out better methods of farming and home economics, to direct demonstration work and livestock and home economics, and to organize Farmers' Cooperative Associations and Rural Clubs. Each County and Home Demonstration Agent has a centrally located office, usually at the county seat, where bulletins, farm journals, and farm records are kept. One day in each week is taken up with consultations and office work.

Counties desiring to cooperate are required to defray a part of the expenses incurred in the employment of County Agents.

SCHOOLS OF INSTRUCTION FOR EXTENSION WORKERS

COUNTY AGENTS' ANNUAL MEETING

The County Agents' Annual Meeting is held on the University campus during September. This meeting is intended to develop working plans for the State to acquaint all Extension workers with each phase of agriculture and horticulture that particularly applies to their county and to bring about a mutual understanding and good fellowship among the workers. It is also intended to harmonize the plans of the State and Federal supervisors so that there will be unity of action in

the counties, and this will harmonize with the Agricultural Extension Work as carried on thruout the United States. At this meeting committees are appointed to report on the important phases of the extension work to be continued thruout the coming year.

HOME DEMONSTRATION AGENTS' ANNUAL MEETING

This is conducted at the State College for Women at Tallahassee, and is confined principally to programs and plans of Home Demonstration Workers. Here also the national and state policies in this work are unified so that there will be harmony of effort from every supervising force.

To further unify the County and Home Demonstration work a joint meeting is conducted at the University of Florida to deal with such problems as are common between these two phases of extension work.

BOYS' AGRICULTURAL CLUBS

Agricultural clubs are organized among the boys on the farms for the purpose of teaching them by practical demonstrations better methods of farming.

In order to touch the problems of the different sections, the following clubs are conducted: corn, peanut, sweet-potato, sugar-cane, pig, calf, bee and citrus clubs.

BOYS' SHORT COURSE

Business men and agricultural organizations annually give successful boys from as many counties as possible a free trip to the University to attend the Short Course in Agriculture. This has done much to stimulate greater interest in club work and has caused many boys to enter the College of Agriculture for a four-year course. Williamson & Dennis of Jacksonville offer a $250 scholarship in the College of Agriculture to the State Pig Club Champion.

HOME DEMONSTRATION WORK

GIRLS' CLUBS

Girls between the ages of ten and eighteen are eligible for membership. Each member is required to undertake a definite piece of work under the leadership of the County Home Demonstration Agent. This club work enters into many phases of home life and is intended to teach the girls the best practices that are recommended for the improvement and development of the rural home.

WOMEN'S HOME DEMONSTRATION CLUBS

Home Demonstration Clubs are organized by County Home Demonstration Agents for the benefit of the women of rural communities. These clubs have definite programs and stated intervals for meeting, and with the leadership of the Home Demonstration Agent undertake to carry out such programs as will assist them in improving many phases of home life, such as proper and economic foods and clothing for the family, labor-saving and sanitary devices for the home, water supply and sewage disposal, wholesome entertainment features and other phases of home economics. These clubs are organized by County Home Demonstration Agents, with the assistance of supervising agents, under whose direction these agents work.

BOYS' CLUBS ANNUAL MEETING

This is conducted at the University of Florida and the attendance consists of members of the clubs who have been successful in their counties in club work. This is under the direction of the Boys' Club Agent, who prepares a definite program which includes classroom study, demonstrations in judging livestock, and field study of the agricultural and horticultural practices of the College of Agriculture and Experiment Station as conducted on the farms of these institutions.

CITRUS SEMINAR, LIVE STOCK ROUNDUP AND FARMERS' WEEK

These meetings are held on the University campus to interest farmers, citrus growers and livestock men in the development of their particular interests and in the work of the Agricultural College and the Experiment Station that is under way for their benefit. At these meetings the farmers and growers have an opportunity to come in contact with representatives of the U. S. Department of Agriculture, of the leading agricultural and horticultural papers and others who have given particular study to the agricultural and live stock problems of Florida.

CONTEST AND FAIRS

Contests and fairs are conducted at the close of each season for the purpose of giving credits to club members for the work they have accomplished, to display the year's work so that it will be educational in a community, and to stimulate interest

in every phase of home life. Exhibits are placed on display, record books are examined and rewards are based on quality, record and financial showing. Substantial prizes are offered to club members, such as scholarships to the State College for Women, money or merchandise. The State Fair held in Jacksonville, and the South Florida Fair, Tampa, allot space for the products of the Home Demonstration Work and provide liberal cash prizes to stimulate interest in these contests.

PUBLICATIONS

Bulletins.—Title	Pages	Edition
30. Spray Schedule for Citrus	1	4,000
31. Lessons for Pig Club Members	44	10,000
32. Important Diseases of Truck Crops in Florida	87	10,000
33. Satsuma Oranges in North and West Florida	15	5,169
34. Sweet Potatoes in Florida	31	20,285
35. Grape Culture in Florida	24	6,154
34. Jellies, Preserves and Marmalades	48	25,000
41. Hand book for First Year Sewing	20	10,000
Annual Report	103	2,030
42. Issues, 610 copies each, Weekly Agricultural News Service	1	

COLLEGE OF ENGINEERING

J. R. BENTON, *Dean*

FACULTY.—L. W. Amis, J. H. Atkinson, F. H. Bain, T. H. Beisler, J. R. Benton, A. P. Black, A. Bresth, L. M. Bristol, S. K. Eshleman*, J. M. Farr, B. F. Gaines†, W. R. Hale, H. A. Hall, T. R. Leigh, J. P. Little, Jr., W. S. Perry, M. Price, P. L. Reed, J. S. Rogers, I. E. Ryder, T. M. Simpson, A. J. Strong, J. A. Van Fleet, E. S. Walker, J. Weil.

GENERAL STATEMENT

AIM AND SCOPE.—It is the aim of the College of Engineering to furnish such training as will be useful to its graduates in the profession of engineering. Its courses of instruction are similar to those of other American engineering schools of college grade; its graduates are prepared to fill such positions as are usually allotted to young engineers.

Scholastic training alone cannot make a competent engineer, any more than it can make a competent physician or lawyer. It can, however, fit a man to enter the profession of engineering; and it is an important element in ultimate success in that profession.

The work of the College is divided among courses of study of the following types: (1) Courses in the sciences fundamental to the practice of engineering, of which mathematics, physics, and chemistry are the most important; (2) courses in various branches of engineering practice in which these sciences are applied, such as structural, steam, or electrical engineering; (3) courses in practical work, such as mechanic arts, drafting, or surveying; and (4) courses contributing primarily to general culture, such as those in English.

BUILDINGS AND EQUIPMENT.—The headquarters and principal building of the College is Engineering Hall, described on page 22. A description of the equipment is to be found on pages 28-30.

Provision is made for shop work in a large wing to Engineering Hall, as well as by temporary use of a separate building. (See page 22.)

*As substitute for B. F. Gaines, 1922-1923.
†On leave of absence, 1922-1923.

Part of the work of the College of Engineering coincides with that of the other colleges of the University; for such work the same classrooms and laboratories are utilized.

ADMISSION.—See pages 44 to 49, inclusive. No students except adult special students are admitted with conditions in any *required* entrance units.

ORIENTATION.—During the first semester of the Freshman year, a course known as Orientation is required. This consists of lectures by practicing engineers and by members of the Faculty, about the work of engineers engaged in practice in the various branches of engineering. The purpose is to acquaint the students, early in their course, with the nature, ideals and status of the engineering profession; and to assist them in deciding what branch of engineering to follow.

The lectures given in 1922-1923, were as follows:

September 20th.—Dean Benton, "The Profession of Engineering."

September 27th.—Professor Reed, "The Work of the Civil Engineer."

October 4th.—Professor Beisler, "The Work of the Chemist and the Chemical Engineer."

October 11th.—President Murphree, "The University of Florida and Its Relation to the Industries of Florida."

October 18.—Mr. C. S. Hammatt, of Jacksonville, Fla., Consulting Engineer, "The Practical Side of Professional Engineering."

October 25th.—Professor Price, "The Work of the Mechanical Engineer."

November 1st.—Professor Bresth, "The Work of the Sanitary Engineer."

November 8th.—Mr. F. O. Adams, of Tampa, Fla., Architect, "Opportunities for Technical Graduates in Architecture."

November 15.—Mr. C. A. Browne, of Orlando, Fla., Chief Engineer, Orange County Road Department, "The Work of the Highway Engineer."

November 22nd. — Professor Bristol, "Opportunities for Technical Graduates in Business."

December 13.—Professor Green, "Opportunities for Technical Graduates in Teaching."

December 20th. — Major Van Fleet, "Opportunities for Technical Graduates in Military Service."

BENTON ENGINEERING SOCIETY.—Weekly meetings of this society are held, at which each member in turn presents a paper on some topic of interest to engineering students. Membership is strongly urged upon every student in the College.

EXPENSES.—See pages 37-39.

CURRICULA AND DEGREES.—Four curricula, each requiring four years, are offered. They lead to the degrees of Bachelor of Science in Civil Engineering (B.S.C.E.), in Electrical Engineering (B.S.E.E.), in Mechanical Engineering (B.S.M.E.), and in Chemical Engineering (B.S.Ch.E.), respectively.

The Freshman year is the same for all engineering students; the Sophomore year for electrical and mechanical engineering students. The work in English, economics, mathematics, mechanics and physics is the same thruout the curriculum, for all engineering students, and in part coincides with that provided for students in the College of Arts and Sciences. All engineering students take some work in chemistry, drafting, surveying, and shop practice, but the time devoted to these subjects varies in the different curricula.

The degree Civil Engineer (C.E.), Electrical Engineer (E.E.), Mechanical Engineer (M.E.), or Chemical Engineer (Ch.E.), may be granted to a graduate of the College of Engineering upon recommendation of the head of the department in which it is sought, and with the concurrence of the faculty of the College, provided the candidate submits evidence that he has had at least four years of practical engineering experience, of which two years must be responsible experience after graduation. By responsible experience is meant work in which the candidate has to use his own initiative, as distinguished from the mere rendering of routine assistance. To obtain one of these degrees application should be made to the Dean of the College not later than April 1st preceding the Commencement at which the degree may be awarded.

The Bachelor degree (B.S.C.E., B.S.Ch.E., B.S.E.E., or B.S.M.E.) indicates merely the completion of a course of study in the theory of engineering; while the engineer degree (C.E., Ch.E., E.E., or M.E.) indicates demonstrated proficiency in the practice of some branch of engineering. Every student of engineering should look forward to obtaining one of these degrees eventually.

ENGINEERING CURRICULUM†

(The Freshman Year is the same for all Engineering Students)

Names of Courses	Hours per Week					
	1st Semester			*2nd Semester*		
Freshman Year	*	**	†	*	**	†
Descriptive Geometry	2	3	0	2	3	2
English I	3	6	0	3	6	0
Hygiene	....	....	....	1	½	0
Mathematics I	3	6	0	3	6	0
Mechanical Drawing	0	0	5	0	0	3
Military Science I	2	2	4	2	2	4
Orientation	1	0	0	....	....	....
Physics I	3	4	0	3	4	0
Physics II	0	0	4	0	0	4
Surveying I*n* (a)	....	....	....	1	2	3
Woodworking (a)	0	0	6	....	....	....
	14	21	19	15	23½	16

(a) Freshmen are required to take one semester each of Surveying and of Woodworking, but these two courses may be given in reverse order to that shown here, at the convenience of the departments concerned.

CIVIL ENGINEERING CURRICULUM

Names of Courses	Hours per Week					
	1st Semester			*2nd Semester*		
Sophomore Year	*	**	†	*	**	†
Chemistry I	3	6	4	3	6	4
Mathematics III	3	6	0	3	6	0
Military Science II	2	2	4	2	2	4
Physics III	2	4	2	2	4	2
Surveying II*n* (a)	2	3	6	2	4	3
	12	21	16	12	22	13

(a) The class of 1926 will take Surveying I*o* (1-2-5 and 3-4½-6) instead of Surveying II*n*.

*Hours of recitation or lecture. **Estimated hours necessary for preparation. †Hours of laboratory, shop, field, or drafting-room work.

†The letter *n* following the name of a course refers to that course as described in this catalog. The letter *o* refers to the course as described in the previous catalog.

Junior Year

	*	**	†	*	**	†
Applied Mechanics	3	6	2	3	6	0
Economics VI*a* (b)	3	6	0	....	....	....
Electrical Engineering I*a*	2	4	2	....	....	....
Graphic Statics		....	....	1	1½	3
Highways (c)	2	3	0	1	2	2
Mathematics IV	2	4	0	2	4	0
Mechanics of Materials		....	....	3	6	2
Metal Working (d)		....	....	0	0	6
Railroads (e)	2	4	2	0	0	3
	14	27	6	10	19½	16

(b) For the classes of 1925 and 1926, the hours will be 3-2-0.
(c) For the classes of 1925 and 1926, this course will be given in the second semester only, with hours 3-3-2.
(d) Not required for the classes of 1925 or 1926.
(e) The classes of 1925 and 1926 will take Surveying II*o* in the Junior year, first semester, hours 1-2-3.

Senior Year

	*	**	†	*	**	†
Concrete Design		....	....	1	1	2
Contracts and Specifications	2	2	0	....	....	....
English XII	0	3	0	0	3	0
Geology	3	6	0	....	....	....
Human Engineering		....	....	2	4	0
Hydraulics	2	4	2	....	....	....
Hydraulic Engineering		....	....	2	4	0
Materials of Construction	2	2	0	....	....	....
Municipal Sanitation	2	3	3	....	....	....
Structural Engineering	3	3	3	3	6	6
Water Supply		....	....	3	5	2
	14	23	8	11	23	10

ELECTRICAL ENGINEERING CURRICULUM

Names of Courses	Hours per Week					
	1st Semester			*2nd Semester*		
Sophomore Year	*	**	†	*	**	†
Chemistry I	3	6	4	3	6	4
Forge and Foundry	0	0	3	0	0	3
Machine Drawing	0	0	3	0	0	3
Mathematics III	3	6	0	3	6	0
Mechanism (m)	2	3	0	2	3	0
Military Science II	2	2	4	2	2	4
Physics III	2	4	2	2	4	2
	12	21	16	12	21	16

(m) The class of 1926 will take Mechanism the second semester only, with hours 3-5-0, and in the first semester will take Surveying I*o*, hours 1-2-5.

*Hours of recitation or lecture. **Estimated hours necessary for preparation. †Hours of laboratory, shop, field, or drafting-room work.

Junior Year

	*	**	†	*	**	†
Applied Mechanics	3	6	2	3	6	0
Economics VI*a* (b)	3	6	0	....	....	....
Electrical Engineering I*a* and I*b*	2	4	2	3	6	4
Electrical Engineering III*a*	1	2	2	....	....	....
Mathematics IV	2	4	0	2	4	0
Mechanics of Materials	....	....	....	3	6	2
Metals and Alloys	2	4	0	....	....	....
Thermodynamics (n)	..	....	....	3	6	0
	13	26	6	14	28	6

(b) For the classes of 1925 and 1926, the hours will be 3-2-0.

Senior Year

	*	**	†	*	**	†
Contracts and Specifications	2	2	0	....	....	....
Electrical Engineering II	3	6	0	3	6	0
Electrical Engineering III*b*	....	....	....	1	2	2
Electrical Engineering IV	0	0	3	0	0	3
English XII	0	3	0	0	3	0
Human Engineering	....	....	....	2	4	0
Hydraulics	2	4	2	....	....	....
Machine Design I	2	4	3	2	4	0
Machine Shop (n)	....	....	....	0	0	6
Mechanical Laboratory	....	....	....	0	0	4
Power Engineering I (n)	3	6	0	....	....	....
	12	25	8	8	19	15

(n) Instead of Power Engineering *a* and Machine Shop, the class of 1924 will take the course Thermodynamics *o*, hours 3-6-0 for both semesters.

MECHANICAL ENGINEERING CURRICULUM

Names of Courses	Hours per Week					
	1st Semester			*2nd Semester*		
Sophomore Year	*	**	†	*	**	†
Chemistry I	3	6	4	3	6	4
Forge and Foundry	0	0	3	0	0	3
Machine Drawing	0	0	3	0	0	3
Mathematics III	3	6	0	3	6	0
Mechanism (m)	2	3	0	2	3	0
Military Science II	2	2	4	2	2	4
Physics III	2	4	2	2	4	2
	12	21	16	12	21	16

(m) The class of 1926 will take Mechanism the second semester only, with hours 3-5-0, and in the first semester will take Surveying I*o*. hours 1-2-5.

*Hours of recitation or lecture. **Estimated hours necessary for preparation. †Hours of laboratory, shop, field, or drafting-room work.

Junior Year

	*	**	†	*	**	†
Applied Mechanics	3	6	2	3	6	0
Economics VI*a* and VI*b* o	3	6	0	3	6	0
Electrical Engineering I*a*	2	4	2	....	....	....
Machine Elements	0	0	4	....	....	....
Machine Shop	0	0	4	....	....	....
Mathematics IV	2	4	0	2	4	0
Mechanics of Materials		....	....	3	6	2
Metals and Alloys	2	4	0	....	....	....
Pattern Making		....	....	0	0	4
Thermodynamics *n*		....	....	3	6	0
	12	24	12	14	28	6

(o) For the classes of 1925 and 1926, the hours will be 3-2-0 in the first semester.

Senior Year

	*	**	†	*	**	†
Contracts and Specifications	2	2	0	....	....	....
Elective	3	6	0	3	6	0
Electrical Engineering V	0	0	6	....	....	....
Hydraulics and Hydraulic Engrg.	2	4	2	2	4	0
Machine Design II	2	4	3	2	4	6
Mechanical Laboratory		....	....	0	0	4
Power Engineering I and II (p)	3	6	0	3	6	0
	12	22	11	10	20	10

(p) Instead of Power Engineering, the class of 1924 will take the course Thermodynamics *o*, hours 3-6-0 for both semesters, and also Gas Engines 2-4-0, and Valve Gears 1-2-0, the second semester.

CHEMICAL ENGINEERING CURRICULUM

Names of Courses	Hours per Week					
	1st Semester			*2nd Semester*		
Sophomore Year	*	**	†	*	**	†
Chemistry I	3	6	4	3	6	4
Chemistry III*e*	....	....	....	1	0	4
Forge and Foundry	0	0	3	0	0	3
Machine Drawing	0	0	3	0	0	3
Mathematics III	3	6	0	3	6	0
Military Science II	2	2	4	2	2	4
Physics III	2	4	2	2	4	2
	10	18	16	11	18	20

The class of 1926 will also take Surveying I*o*, hours 1-2-5, the first semester.

Junior Year

	*	**	†	*	**	†
Applied Mechanics	3	6	2	3	6	0
Chemistry III*e*	1	0	4	....	....	....
Chemistry V	3	6	4	3	6	4
Chemistry VII	0	0	6	0	0	6
Mathematics IV	2	4	0	2	4	0
Mechanics of Materials	....	....	....	3	6	2
Metals and Alloys	2	4	0	....	....	....
	11	20	16	11	22	12

Senior Year

	*	**	†	*	**	†
Chemistry VI	3	6	0	3	6	0
Chemistry X	....	....	....	0	0	10
Chemistry XI	2	4	2	2	4	2
Contracts and Specifications	2	2	0	....	....	....
Economics VI*a* (r)	3	6	0	....	....	....
Elective	....	....	....	3	6	0
English XII	0	3	0	0	3	0
Hydraulics	2	4	2	....	....	....
Human Engineering	....	....	....	2	4	0
	12	25	4	10	23	12

(r) The class of 1924 will take an elective instead of Economics VI*a*.

*Hours of recitation or lecture. **Estimated hours necessary for preparation. †Hours of laboratory, shop, field, or drafting-room work.

DEPARTMENTS OF INSTRUCTION

CIVIL ENGINEERING

Professor Reed Assistant Professor Bresth

The courses in this department are designed to give the student a comprehensive grasp of the principles underlying the practice of Civil Engineering, so that on graduation he will be fitted to enter at once upon field or office work in his profession.

The work of instruction is carried on by means of assigned recitations from standard text books, combined with laboratory, field, and drawing-room exercises for the purpose of emphasizing the practical side of the subject. For equipment see pages 28-29.

A cement and concrete laboratory has been installed for the testing of cement and concrete. This laboratory is of late design and is a substantial addition to the other laboratory facilities of the department.

There will be found in the general library a considerable literature on all engineering subjects, as well as the current literature from which the student may keep abreast of up-to-date practice.

SURVEYING I.—Recitation on the use of chain, compass, transit, and level; determination of areas, and instrumental adjustments. Field work in chaining, leveling, compass and transit surveys. Drawing-room work in calculations from field notes, and map-drawing. Textbook: Breed & Hosmer Vol. I. *(Required of all engineering students for one semester in the Freshman year. Recitation, 1 hour per week; field and drawing-room work 3 hours per week. Prerequisite: Trigonometry. Laboratory fee $3.00.)*

SURVEYING II.— Recitations on balancing of surveys and calculating of areas; methods of making topographical surveys, including the use of the stadia and plane table; methods of solving other problems in land, topographical, city surveying and problems involving the principles of precise leveling, base-line measurement, triangulation and determination of meridian, latitude and time. Field work: the making of a complete topographical survey; tests and adjustments of instruments; precise leveling; base-line work; meridian and latitude observations. Drawing-room work on balancing surveys,

calculating areas and reducing field notes; plotting maps and profiles; contour problems; triangulation computations. Textbooks: Breed & Hosmer, Vols. I and II. *(Required of all civil engineering Sophomores. Recitations, 2 hours per week thruout the year; field and drawing-room work, first semester 6 hours per week; second semester 3 hours per week. Prerequisites: Surveying I; laboratory fee $3.00 per semester.)*

RAILROADS.—Recitations on simple, compound, reversed, vertical, and transition curves, turnouts and earthwork. Field problems in curve layouts. Drawing-room work in the paper layout of a railroad line. Field and drawing-room work in the preliminary and final location of a railroad; plotting of lines and profiles; earthwork computations. Theory of mass diagram. Textbook: Allen's, Curves and Earthwork. *(Required of civil engineering Juniors. First semester; recitations 2 hours per week; field and drawing-room work 3 hours per week. Prerequisite: Surveying I. Laboratory fee $1.50 per semester.)*

HIGHWAYS.—Recitations on the economics of location and construction of highways; drainage; different types of road construction; road materials; legislation; state and national aid; pavements. Field and drawing-room work on locations, designs and estimates. Textbook: Highway Engineers' Handbook, Harger and Bonney. *(Required of civil engineering Juniors. First semester; recitations 2 hours per week. Second semester; recitations 1 hour per week; field and drawing-room work 2 hours per week. Prerequisite: Surveying I.)*

GRAPHIC STATICS.—Recitations and drawing-room exercises in the computation of forces; the plotting of diagrams in elementary graphics and roof-truss, bridge and masonry problems. Textbook: Malcolm's Graphic Statics. *(Required of civil engineering Juniors. Second semester; recitations 1 hour per week; drawing-room work, 3 hours per week. Prerequisite: One semester's work in Applied Mechanics.)*

MATERIALS OF CONSTRUCTION.—Recitations on the structure, manufacture and general properties of materials, used for construction purposes; such as wood, stone, brick, cement, iron, and alloys. *(Required of civil engineering Seniors. First semester. Recitations 2 hours per week. Prerequisite: Mechanics of Materials.)*

STRUCTURAL ENGINEERING. — Recitations and drawing-room work in the graphic analysis of girders and bridge trusses. Theory and design of wooden and steel roof trusses; highway and railroad bridges; foundations. Theory and computations of stresses in various types of bridges and buildings. Drawing-room design. Textbook: Kirkham's Structural Engineering. *(Required of civil engineering Seniors; first semester. Recitations, 3 hours per week; drawing-room work, 3 hours per week. Second semester. Recitations, 3 hours per week; drawing-room work, 6 hours per week. Prerequisite: Mechanics of Materials.)*

CONTRACTS AND SPECIFICATIONS.—The contract in its relation to the engineer. Specifications. Textbook: Business Law for Engineers, by C. Frank Allen. *(Required of all engineering students. First semester; Senior year. Recitations, 2 hours per week.)*

CONCRETE DESIGN.—Recitations and drawing-room work on the theory and design of reinforced concrete structures. Textbook: Concrete Engineers' Handbook by Hool and Johnson. *(Required of civil engineering Seniors; second semester. Recitations, 1 hour per week; drawing-room, 2 hours per week. Prerequisites: Applied Mechanics and Mechanics of Materials.)*

HYDRAULICS.—Recitations and laboratory work on the elements of hydraulics; the principles of hydrostatic and hydrodynamic pressure; the measurement of water by orifices, short tubes, nozzles, weirs, and other measuring instruments; flow thru pipes and open channels; losses from friction and other sources; and other related topics. Textbook: Russell's Hydraulics. *(Required of all engineering Seniors; first semester. Recitations, 2 hours per week; laboratory exercises, 2 hours per week. Prerequisites: Mathematics III and Applied Mechanics; laboratory fee $3.00.)*

HYDRAULIC ENGINEERING.—Recitations on steam gaging and hydrographic surveying; water power, hydraulic turbines and impulse wheels; pumps and hydraulic machinery. Textbooks: Lyndon's Hydro-Electric Power; Notes on Hydraulic Engineering. *(Required of civil and mechanical engineering Seniors; second semester. Recitations, 2 hours per week. Prerequisite: Hydraulics.)*

MUNICIPAL SANITATION.—Recitations on the design and construction of sewerage systems and sewage disposal plants. Drawing-room work in the design of domestic and storm sewers, and of a complete sewage disposal plant, together with estimates of cost. Textbooks: Swan and Horton's Hydraulic Diagrams; Metcalf & Eddy's Sewerage and Sewage Disposal. *(Required of civil engineering Seniors; first semester. Recitations, 2 hours per week; drawing-room work, 3 hours per week.)*

WATER SUPPLY.—Recitations on sources of supply, purification, filters, pumps, systems of supply, and fire supply. A short time is devoted to drainage and irrigation engineering. Drawing-room work in the design of a complete water supply system, a large gravity dam and a large masonry conduit. Textbooks: Turneaure and Russell's Public Water Supplies; Williams and Hazen's Hydraulic Tables; Elliott's Engineering for Land Drainage. *(Required of civil engineering Seniors; second semester. Recitations, 3 hours per week; drawing-room, 4 hours per week. Prerequisite: Municipal Sanitation.)*

ELECTRICAL ENGINEERING*

Professor Benton — Assistant Professor Perry
Mr. Weil — Mr. Little

Instruction in this department is planned to lay equal stress on classroom work, of theoretical nature, and on laboratory work, of practical nature. For the latter, the dynamo laboratory is provided, which is described on page 28.

ELECTRICAL ENGINEERING I*a*.—A short elementary course in general electrical engineering. *(Required of all engineering Juniors except those in Chemical Engineering; first semester; 2 recitations or lectures and 1 two-hour laboratory exercise per week. Prerequisites: Mathematics III and Physics III; laboratory fee $3.00.)*

ELECTRICAL ENGINEERING I*b*.—Direct current machinery and applications. Textbooks used in 1922-23: Pender's Direct Current Machinery and Langsdorf's Principles of Direct Current Machines. *(Required of electrical engineering Juniors; second semester; 3 recitations and 2 two-hour laboratory ex-*

*The courses in Electrical Engineering are given as part of the work of the Department of Physics and Electrical Engineering, the instructors in this department dividing their time between physics and electrical engineering. The courses in physics are described under the College of Arts and Sciences, pages 78-80.

ercises per week. Prerequisite: Electrical Engineering Ia; laboratory fee $3.00.)

ELECTRICAL ENGINEERING II*a*. — Alternating Current theory and applications. Textbook used in 1922-23: Lawrence's Principles of Alternating Current Machinery. *(Required of electrical engineering Seniors; first semester; 3 recitations per week. Prerequisite: Electrical Engineering Ia.)*

ELECTRICAL ENGINEERING II*b*. — *(Required of electrical engineering Seniors; second semester; 3 recitations per week. Prerequisites: Electrical Engineering Ib and IIa.)* The class each year chooses one or more of the following subjects:

ELECTRICAL POWER TRANSMISSION.—

ILLUMINATION.—Textbook used in 1921: Ferguson's Electric Lighting.

ELEMENTARY ELECTRICAL DESIGN. — Based on Gray's Electrical Machine Design in 1920 and 1922.

ELECTRIC RAILWAYS.—

RADIO COMMUNICATION.—Textbook used in 1919: Mill's Radio Communication.

ELECTRICAL ENGINEERING III*a*.—Telegraph engineering. Textbook used in 1922-1923: Hausmann's Telegraph Engineering. *(Required of electrical engineering Juniors; first semester; 1 recitation and 1 two-hour laboratory period per week. Prerequisites: Mathematics III and Physics III; laboratory fee $2.00.)*

ELECTRICAL ENGINEERING III*b*.—Telephone Engineering. Textbook used in 1922-1923: Houston & Kennelly's The Electric Telephone. *(Required of electrical engineering Seniors; second semester; 1 recitation and 1 two-hour laboratory period per week. Prerequisites: Electrical Engineering Ia and IIIa; laboratory fee $2.00.)*

ELECTRICAL ENGINEERING IV.—Dynamo laboratory work to accompany Electrical Engineering II. *(Required of electrical engineering Seniors; 1 three-hour laboratory period per week thruout the year. Prerequisite: Electrical Engineering Ia; laboratory fee $1.50 for each semester.)*

ELECTRICAL ENGINEERING V*a*.—Dynamo laboratory work, and electrical engineering problems. *(Required of mechanical engineering Seniors; first semester; 2 three-hour laboratory periods per week. Prerequisite: Electrical Engineering Ia; laboratory fee $3.00.)*

MECHANICAL ENGINEERING

Professor Price Mr. Gaines

The instruction in this department follows theoretical and practical lines. System, accuracy and neatness are insisted upon. While acquainting students with practical methods, the aim is to produce engineers of independent thought and original power.

DESCRIPTIVE GEOMETRY.—*Projections.*—Methods of representing points, lines, surfaces and solids in space by their projections; their intersections with each other; the careful solution of many original problems on the drawing-board. *(Required of all engineering Freshmen; 2 recitations per week thruout the year, and two hours of drawing per week the second semester.)*

MECHANISM.—*The Kinematics of Machinery.*—Investigation of link work, construction of gears and cams, belt and pulley drive, trains of mechanism, the velocity ratio, and directional relation of the moving parts of various machines, etc. The text is supplemented by drawing exercises in the construction of gear teeth, cams, and motion diagrams. *(Required of electrical and mechanical engineering Sophomores; 2 recitations per week thruout the year.)*

MACHINE ELEMENTS.—Sizes and proportions of standard machine details, screw-threads, bolts and nuts, pipes and fittings, shafting and shaft mountings, bearings, etc., as approved by practice; design of simple machines, working drawings. *(Required of mechanical engineering Juniors; first semester; 4 actual hours of drawing each week.)*

MACHINE DESIGN I. — The design and proportioning of machine parts—bolts, riveted joints, keys and gibs, toothed gearing, belt transmission, shafts, journals, bearings; the design of machines or parts of machines to perform certain functions. *(Required of mechanical engineering Seniors; two recitations per week thruout the year; also 3 hours per week of drafting the first semester and 6 hours per week the second semester. Prerequisites: Applied Mechanics and Mechanics of Materials.)*

MACHINE DESIGN II.—The same as Machine Design I but with drafting (3 hours per week) the first semester only. *(Required of electrical engineering Seniors.)*

APPLIED MECHANICS.—The laws of force, friction, equilibrium of fluid pressure, inertia, centrifugal force, kinetic and potential energy, etc. Problems illustrating the practical application of these laws. *(Required of all engineering Juniors; 3 hours per week thruout the year; also a two-hour computing period each week the first semester. Prerequisite: Mathematics III.)*

MECHANICS OF MATERIALS.—Investigation of the strength of materials used in the construction of machinery and engineering structures; analysis of stresses in bridges, roof trusses, and machinery; study of the mechanical properties of iron, steel, timber, cement, etc. The text is supplemented by laboratory tests on specimens of the various materials. *(Required of all engineering Juniors; second semester; 3 recitations and 2 hours of laboratory work per week. Prerequisite: the first semester of Applied Mechanics. Laboratory fee $1.00.)*

METALS AND ALLOYS.—Metallurgy of alloy steels and nonferrous alloys. Study of heat treatment and other modifying processes used in the production of metals for machines and structures. *(Required of electrical, mechanical and chemical engineering Juniors; first semester; two hours. Prerequisites: Physics I and Chemistry I.)*

THERMODYNAMICS. — The laws of thermodynamics and their application to the steam engine and the steam turbine. Study of the indicator card and the losses in the conversion of one form of energy into another. *(Required of mechanical and electrical engineering Juniors; second semester; 3 hours. Prerequisites: Mathematics III, Physics III and Chemistry I.)*

POWER ENGINEERING I.—The steam boiler, fuels and combustion, condensing apparatus, and boiler plant auxiliaries. Study of power and heating plants, compressed air, and refrigeration. *(Required of mechanical and electrical engineering Seniors; first semester; 3 hours. Prerequisite: Thermodynamics.)*

POWER ENGINEERING II.—Gas and liquid-fuel internal combustion engines; hot-air engines; gas producers. *(Required of mechanical engineering Seniors; second semester; 3 hours. Prerequisite: Thermodynamics.)*

MECHANICAL LABORATORY.—Valve setting; tests of steam gauges, thermometers, engines, and boilers; use of the steam engine indicator, absorption and transmission dynamometers.

(Required of mechanical and electrical engineering students; second semester; Senior year; 4 actual hours; laboratory fee $5.00.)

HUMAN ENGINEERING.—This course combines a study of some of the problems of production engineering with a study of certain questions of personnel management. *(Required of all engineering students; first semester; Senior year; 2 hours. Prerequisite: Economics VIa.)*

VALVE GEARS.—Graphical study of the different types of valve gears by means of the Zeuner and other diagrams; valve setting and steam distribution obtained by the usual types. *(Required of mechanical engineering Seniors; second semester; one two-hour period per week. Prerequisite: Thermodynamics.)*

CHEMICAL ENGINEERING

Professor Leigh — Associate Professor Black
Associate Professor Beisler — Assistant Professor.....

The courses in Chemical Engineering are designed to familiarize the student with the efficient construction and economic operation of chemical plants. The problems involved in the commercial manufacture of organic and inorganic chemicals, and the methods employed to solve these problems, are considered in detail. Students who complete these courses will be prepared to plan or direct the manufacture of the more important chemical products.

CHEMISTRY III*e*.—*Qualitative Analysis*.—This course consists of four hours of laboratory work and one lecture hour each week. It is a brief course in qualitative analysis designed especially for those students who are specializing in engineering. The course is given twice a year, and students may begin it the first or second semester. *(Prerequisite: Chemistry I. 2½ hours; laboratory fee $5.00 for each semester.)*

CHEMISTRY VI.—*Chemical Technology*.—Consideration of chemical principles involved in manufacturing and refining products of commercial importance: Fuels, sulfuric acid, the soda and chlorine industries, fertilizers, cements, glass, pigments, coal tar, mineral oils, soaps, starch, sugar, fermentation, explosives, textiles, paper, leather, etc. Visits are made to such factories and chemical plants as may be accessible.

The course consists of three lectures or recitations given each week thruout the year. *(Required of chemical engineering students; Senior year; 3 hours.)*

CHEMISTRY Xb.—*Engineering Chemistry.* Analysis of materials used in engineering: Fuels, boiler waters, iron and steel, Portland cements, asphalt and coal tar products, mineral oils, vegetable oils, fats and waxes, paints, fertilizers, soaps and food products. *(Required of engineering students; Senior year; second semester; 10 actual hours; laboratory fee $5.00.)*

CHEMISTRY XI.—*Physical Chemistry.*—See Chemistry.

CHEMISTRY XIVa.—*Gas Analysis.*—The analysis of fuel and illuminating gases and products of combustion. Some attention is given to the theory and use of automatic continuous gas recorders. The course consists of five hours laboratory work each week and one hour devoted to discussions of the methods and principles involved. *(Prerequisites: Chemistry V and VIIab. 3 hours; laboratory fee $5.00.)*

DRAWING AND MECHANIC ARTS

Acting Professor Strong Colonel Walker

The drawing courses are intended to develop accuracy, speed, neatness and good form in drafting, sketching, tracing, lettering, etc. Drafting-room practice and conventions are followed in sketching and detailing parts of machines and structures.

In the shops, by the use of standard tools and machines, the students learn something of the operations involved in building machinery and other articles of wood and metal.

DRAWING

MECHANICAL DRAWING.—The use of ordinary drawing instruments in the solution of geometrical problems, lettering, in making perspective and isometric drawings, and in making working drawings of machine parts from printed sketches. A text book is used. *(Required of all engineering students; Freshman year; first semester, 5 actual hours; second semester, 3 actual hours.)*

MACHINE DRAWING.—*Interpreting and Reading Drawings.* —The student is required to make true working drawings, showing all the necessary dimensions and the delineation of

the parts to a proper scale. He is given a set of detailed drawings from which to make an assembly drawing or vice versa. A number of tracings and blueprints are also required. *(Required of chemical, electrical, and mechanical engineering Sophomores; 3 actual hours per week thruout the year.)*

MECHANIC ARTS

WOOD WORKING.—Exercises in joinery, machine work, mill work and elementary patternmaking. *(Required of all engineering students; Freshman year; first semester; 6 actual hours per week; shop fee $3.00.)*

FORGE SHOP *a*.—Instruction in forge shop practice by means of textbook, lectures and demonstrations. *(Required of chemical, electrical, and mechanical engineering Sophomores; one semester; 3 actual hours per week; shop fee $3.00.)*

*FOUNDRY *b*.—Instruction in foundry practice by means of textbook, lectures, and demonstrations. *(Required of electrical and mechanical engineering students; one semester; Sophomore year; 3 actual hours; shop fee $3.00.)*

MACHINE SHOP.—Bench and machine work furnishing all-around experience. *(Required of mechanical engineering Juniors; first semester; 4 actual hours per week; shop fee $6.00.)*

PATTERNMAKING.—Construction of wooden patterns and core boxes for machine castings and other metal articles. *(Required of mechanical engineering Juniors; second semester; 4 actual hours per week; shop fee $4.00.)*

OTHER DEPARTMENTS

Descriptions of the other subjects taken by students in the College of Engineering may be found by reference to the Index.

---

*Pending installation of improved equipment 1½ hours class recitation and 1½ hours preparation will be substituted, temporarily, for 3 actual hours shop work.

COLLEGE OF LAW

HARRY R. TRUSLER, *Dean*

FACULTY.—H. R. Trusler, R. S. Cockrell, C. W. Crandall, W. G. Kline, R. A. Rasco, John Wurts.

GENERAL STATEMENT

AIM AND SCOPE.—In 1891, the American Bar Association declared that in its opinion it was a part of the highest duty and interest of every civilized state to make provision for maintaining schools of law for the thoro legal education of all who are licensed to practice law. Recognizing the soundness of this statement and desiring to discharge this duty, the State Board of Education and the Board of Control provided for the opening of the College of Law in the University in September, 1909. The advantages to accrue to the State from having, as a part of its educational system, a thoro and systematic course of instruction in the common law, with special consideration of the peculiarities and exceptions applicable in Florida, are many and evident.

It was the purpose of the Board of Control to establish a law school which, by the quality of its work and character of its equipment, would merit and command the confidence and support of the bench and bar. That the hope of accomplishing these results was well founded is shown by the number and character of those who have availed themselves of the advantages offered.

REQUIREMENTS FOR ADMISSION.—Those entering as candidates for degrees during the session of 1923-24 must present, in addition to the requirement of sixteen entrance units (see pages 45 to 49), one year of college work of not less than fifteen hours; those entering thereafter must present two years of college work.

No specific course of studies is prescribed for the college work required for admission; but, in general, students are advised to pursue the course offered by the College of Arts and Sciences. Thereby it will be easier for them to complete the combined academic and law course should they so desire.

SPECIAL STUDENTS.—After September 1, 1923, the number of special students admitted each year will be restricted (in compliance with Article 6 of the Association of American Law Schools, as amended, 1922) to not more than ten per cent of the average of entering students for the two years previous.

ADVANCED STANDING.—No work in law done in other institutions will be accepted towards a degree, unless the applicant passes satisfactorily the examinations held in the subjects in question in this College, or unless, by special vote of the Faculty, credit is given without examination. Credit for work not meeting the requirements of the Association of American Law Schools, of which this College is a member, will not be accepted. In no case will credit be given for work not done in residence at an approved law school.

EXAMINATIONS.—The last week of each semester is devoted to examinations covering the work of the semester. These examinations are in writing and are rigid and searching, but are not necessarily final.

All students, unless excused by the Dean, must present themselves for the regular examination in all the subjects for which they are registered. A student who has made a semester grade of 60 or more in any subject is entitled to a re-examination in that subject; but one re-examination only in any subject is permitted.

UNIVERSITY PRACTICE COURTS.—Thoroly organized practice courts are regular features of the third year of the curriculum. The object is to give the student practical instruction in pleading and practice at law and in equity, and experience in the preparation and trial of cases. The work is arranged as follows:

First.—Cases arising upon prepared statements of fact are assigned, upon which the students are to determine what proceedings to bring and how to bring them, issue, serve, and return process, prepare the pleadings, and to bring the case to an issue on a question of law. The case is heard on the sufficiency of the form and the structure of the pleadings; when these are approved the issue of law is argued and decided, the students acting as attorneys drawing the order, judgment, or decree to which they deem themselves entitled.

Second.—In the second class of cases, actual controversies are arranged and assigned for trial in the Circuit Court as

issues of fact. After determining what action to bring, the students assigned to the case are required to issue the proper process and prepare and file the necessary pleadings, subpoena the witnesses, select the jury, examine and cross-examine the witnesses, and argue the case to the jury. Each student is required to participate in the trial of at least one common-law, one equity, and one criminal case and is instructed in appellate procedure.

The Practice Court is conducted by Professors Cockrell and Crandall.

LIBRARY.—The Law Library contains:

Three sets of Florida Reports with Wurts' Digest (both editions); Shepard's Florida Citations; The Session Laws of Florida from 1822 to 1921, except from 1828 to 1834; McClellan's Digest and Duval's Compilation of the Laws of Florida; Revised Statutes of 1898; three sets of the General Statutes of 1906; two sets of Florida Compiled Laws of 1914; eight sets of the Revised General Statutes of Florida, 1920; Reports of the Florida Railroad Commission, the Attorney General of Florida, the Interstate Commerce Commission, and the Land Decisions of the Department of the Interior; Federal Statutes Annotated; Thorpe's American Charters, Constitutions and Organic Laws; Hinds' Precedents of the House of Representatives; the Northwestern, Southwestern, Northeastern, Southeastern, Atlantic, Pacific, and Southern Reporters; the American Decisions, American Reports, and American State Reports, with digests; the American Annotated Cases, with digests; the American and English Annotated Cases, with digests; the Lawyers' Reports Annotated, old and new series, with digests; the United States Supreme Court Reports, with digests; Rose's Notes; Federal Cases; Federal Reporter; Stimson's American Statute Law; the State Reports to the Reporters of Alabama, Arkansas, Connecticut, Delaware, Georgia, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Nebraska, New Hampshire, New Jersey, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Vermont, Virginia, West Virginia, and Wisconsin; the New York Court of Appeals Reports; the New York Common Law and Chancery Reports, with digests; the New York Supplement; the Pacific States Reports, with digests, which include the California Reports, the Colorado Supreme Reports, the Colorado Appeals, the Idaho Reports, the Kansas Reports, the Montana Reports, the Nevada Reports, the New Mexico Reports, the Oregon Reports, the Utah Reports, the Washington Reports, and the Wyoming Reports to the Reporters; the Alaska Reports; the Reprint of the English Reports; the English Law Reports; the British Ruling Cases; Mew's English Digest; Halsbury's Laws of England; the Century, the Decennial, the Second Decennial, and the Key Number Digests; the Encyclopedia of Law and Procedure; Corpus Juris; the Encyclopedia of Forms; the Standard Encyclopedia of Procedure; two sets of Ruling Case Law; the Harvard and Michigan Law Reviews; more than one hundred selected volumes for the class in Brief Making and the Use of Law Books; and more than two hundred of the leading textbooks and books of reference.

A course of instruction is given in legal bibliography and the use of law books. Every facility, also, is offered law stu-

dents to make use of the General Library, in which are included works of interest and information to lawyers.

Both libraries are open during the academic year on every secular day between the hours of 8:00 a. m. and 10:00 p. m., and are in charge of trained librarians, who render needed aid to students.

MARSHALL DEBATING SOCIETY.—Early in the first year of the College the students organized a society that would secure to its members practice in debating and public speaking and experience in arguing legal questions, as well as drill in parliamentary law. The society was fittingly named "The Marshall Debating Society", in honor of the memory of the distinguished Southern jurist, John Marshall. Membership and work in the society are limited to students in the College of Law, but the Faculty give all possible assistance and encouragement.

UNIVERSITY PRIVILEGES.—The advantages of the other colleges of the University are open to such students in the College of Law as desire and are able to accept them. Courses in History, Economics, Sociology, Psychology, Logic, and English are particularly recommended. No extra charge is made for such courses, but they can be taken only with the consent of the Law Faculty and of the professors concerned.

DEGREES.—The degree of Bachelor of Laws (LL.B.) is conferred upon those who satisfactorily complete ninety semester hours in the course of study. Students admitted to advanced standing may receive the degree after one year's residence, but in no case will the degree be granted unless the candidate is in actual residence during all of the third year.

Students who have complied with all the requirements for the degree of Bachelor of Laws (LL.B.), who have maintained an average standing in their law studies 10% above the passing mark, and who have obtained the degree of A.B., or an equivalent degree, from an approved college or university, or who secure such degree the same year they complete their law course, will be awarded the degree of Juris Doctor (J.D.).

COMBINED ACADEMIC AND LAW COURSE.—See page 56.

EXPENSES.—A tuition fee of $20.00 per semester, payable in advance, is charged all law students, except those taking less than eleven hours of work, who are charged a proportional part of the full tuition. The cost of books for the first

year will approximate $45.50; for the second, $42.50-$53, depending on the electives taken; for the third, $55.50. Students are urged to provide themselves with the statutes of their own state and a law dictionary. These books will form a nucleus for the student's future library; and by the purchase of second-hand books the cost may be materially reduced. See also pages 37-39.

ADMISSION TO THE BAR.—Upon presenting their diplomas, duly issued by the proper authorities, and upon furnishing satisfactory evidence that they are twenty-one years of age and of good moral character, the graduates of the College are licensed by the Supreme Court, without examination, to practice in the Courts of Florida. They also are admitted without examination to the United States District Court for the Northern District of Florida.

COURSE OF INSTRUCTION

The course of instruction extends thru three years of thirty-five weeks each, exclusive of vacations.

Particular stress is placed upon the statutory modifications of the common law and the recent decisions of the courts. This is true in every subject in the curriculum; but it is especially emphasized in Pleading, Practice, and Evidence, as the course of study is designed to instruct the student thoroly in the peculiarities of procedure, so that he will be able understandingly to enter upon the practice of law. Students are offered the option of comprehensive training under either the code or the common law.

FIRST YEAR

FIRST SEMESTER

TORTS.—History and definitions; elements of torts; conflicting rights; mental anguish; parties to tort actions; remedies; damages; conflict of laws; methods of discharge; comprehensive study of particular torts: false imprisonment, malicious prosecution, abuse of process, conspiracy, slander and libel, trespass, conversion, deceit, nuisance, negligence, and others. Textbooks: Burdick on Torts and Burdick's Cases on Torts, 3rd edition. *(5 hours. Professor Trusler.)*

CONTRACTS I.—Formation of contract; offer and acceptance; form and consideration; reality of consent; legality of object; operation of contract; limits of the contract obligation; assignment of contract; joint obligations; interpretation of contract. Textbooks: Anson's Law of Contract, Corbin's Edition; Huffcut and Woodruff's Cases on Contract. *(4 hours. Professor Rasco.)*

CRIMINAL LAW.—Sources of criminal law; nature and elements of crime; criminal intent; insanity; intoxication; duress; mistake of fact or law; justification; parties in crime; offenses against the person, habitation, property, public health and morals, public justice and authority, government, and the law of nations. Textbook: Clark on Criminal Law, 3rd edition; selected cases. *(2 hours. Professor Cockrell.)*

CRIMINAL PROCEDURE.—Jurisdiction; arrest; preliminary examination and bail; grand jury, indictment and information and their sufficiency in form and substance; arraignment, pleas, and motions; *nolle prosequi* and motions to quash;

jeopardy; presence of defendant at the trial; verdict; new trial; arrest of judgment; judgment, sentence, and execution. Textbook: Clark's Criminal Procedure, 2nd edition; selected cases. *(2 hours. Professor Cockrell.)*

PROPERTY I.—Personal property; possession and rights based thereon; acquisition of title; liens and pledges; conversion. Textbook: Warren's Cases on Property. *(2 hours. Professor Crandall.)*

SECOND SEMESTER

EQUITY JURISPRUDENCE.—History and definition; jurisdiction; maxims; accident, mistake, fraud; penalties and forfeitures; priorities and notice; bona fide purchasers; estoppel; election; satisfaction and performance; conversion; equitable estates, interest, primary rights; trusts; powers, duties, and liabilities of trustees; mortgages; equitable liens; assignments; specific performance; injunction; reformation; cancellation; cloud on titles; ancillary remedies. Textbook: Eaton on Equity; selected cases. *(5 hours. Professor Trusler.)*

CONTRACTS II AND QUASI CONTRACTS.—Rules relating to evidence and construction; discharge of contract. Origin and nature of quasi contract; benefits conferred in misreliance on rights or duty, from mistake of law, and on invalid, unenforceable, illegal, or impossible contract; benefits conferred thru dutiful intervention in another's affairs; benefits conferred under constraint; action for restitution as alternative remedy for breach of contract and for tort. Textbooks: Anson's Law of Contract, Corbin's Edition; Woodruff's Cases on Quasi Contracts. *(3 hours. Professor Rasco.)*

MARRIAGE AND DIVORCE.—Marriage in general; nature of the relation; capacity of parties; annulment; divorce; suit, jurisdiction, grounds; defenses; alimony; effect on property rights; custody and support of children; agreements of separation. Textbook: Vernier's Cases on Marriage and Divorce. *(1 hour. Professor Cockrell.)*

COMMON LAW PLEADING.—History and development of the personal actions at common law; theory of pleading and its peculiar features as developed by the jury trial; demurrers, general and special; pleas in discharge, in excuse, and by way of traverse; replication *de injuria;* duplicity; departure; new assignment; motions based on pleadings; general rules of

pleadings. Textbook: Andrews' Stephen's Common Law Pleading. *(3 hours. Professor Crandall.)*

SALES.—Sale and contract to sell; statute of frauds; illegality; conditions and warranties; delivery; acceptance and receipt; vendor's lien; stoppage *in transitu;* bills of lading; remedies of seller and buyer. Textbook: Waite's Law of Sales; selected cases. *(1 hour. Professor Crandall.)*

PROPERTY II.—Introduction to the law of conveyancing; rights incident to the ownership of land, and estates therein, including the land itself, air, water, fixtures, emblements, waste; profits; easements; licenses; covenants running with the land. Textbook: Warren's Cases on Property. *(2 hours. Professor Crandall.)*

SECOND YEAR

FIRST SEMESTER

UNITED STATES CONSTITUTIONAL LAW.—General principles; distribution of governmental powers; congress; the chief executive; the judiciary; police powers; eminent domain; checks and balances; guarantee of republican government; civil rights; political privileges; guarantee in criminal cases; impairment of contractual obligations. Textbook: Hall's Cases on Constitutional Law, American Casebook Series. *(4 hours. Professor Kline.)*

AGENCY.—Nature of the relation; purposes and manner of creation; who may be principal or agent; ratification; delegation of authority; general and special agents; rights and duties of agents; termination, nature, extent, construction, and execution of authority of agents; rights, duties, and liabilities of agents; principal and third persons *inter se;* particular classes of agents. Textbooks: Mechem's Outlines of Agency and Mechem's Cases on Agency. *(2 hours. Professor Rasco.)*

EQUITY PLEADING.—Nature and object of pleadings in equity; parties to a suit in equity; proceedings in a suit in equity; bills in equity; disclaimer; demurrers and pleas; answer and replication; preparation of bills, demurrers, pleas, answers. Textbooks: Fletcher's Equity Pleading and Practice; Rules of the Circuit Court in Chancery in Florida; Rules of the Federal Court; Statutes of Florida. *(3 hours. Professor Cockrell.)*

BRIEF MAKING AND THE USE OF LAW BOOKS.—Where to find the law; how to use statutes and decisions; how to find the law; the trial brief; the brief on appeal and its preparation. Textbook: Cooley's Brief Making and the Use of Law Books. *(1 hour. Professor Crandall.)*

PROPERTY III.—Titles and conveyancing, including acquisition of titles by possession, modes of conveyance at common law, under the statute of uses, and by statutory grant; the execution of deeds; estates created; covenants for titles; estoppel by deed; priorities among titles. Textbook: Warren's Cases on Property. *(3 hours. Professor Crandall.)*

FLORIDA CONSTITUTIONAL LAW.*—Declaration of rights; departments of government; suffrage and eligibility; census and apportionment; counties and cities; taxation and finance; homestead and exemption; married women's property; education; public institutions; miscellaneous provisions. Textbooks: Constitution, statutes, and judicial decisions of Florida. *(2 hours. Professor Trusler.)*

CODE PLEADING.**—Changes introduced by the codes; forms of action; necessary allegations; the complaint; prayer for relief; answers, including general and special denials; new matter; equitable defenses; counter claims; pleading several defenses; replies and demurrers. Textbook: Pomeroy's Code Remedies. *(2 hours. Professor ————.)*

SECOND SEMESTER

EVIDENCE.—Judicial notice; kinds of evidence; burden of proof; presumptions of law and fact; judge and jury; best evidence rule; hearsay rule and its exceptions; admissions; confessions; exclusions based on public policy and privilege; corroboration; parol evidence rule; witnesses; attendance in court; examination, cross examination, privilege; public documents; records and judicial writings; private writings. Textbook: Greenleaf on Evidence, 16th edition, vol. 1; selected cases. *(4 hours. Professor Cockrell.)*

PRIVATE CORPORATIONS.—Nature; creation and citizenship; defective organization; promotors; powers and liabilities; corporations and the State; dissolution; membership; management; creditors; foreign corporations; practice in forming

*For students intending to practice in Florida.
**For students not intending to practice in Florida.

corporations, preparing by-laws, electing officers, and in conducting corporate business. Textbooks: Clark on Private Corporations, and Wormser's Cases on Corporations. *(4 hours. Professor Rasco.)*

LEGAL ETHICS.—Admission of attorneys to practice; taxation; privileges and exemptions; authority; liability to clients and to third parties; compensation; liens; suspension and disbarment; duties to clients, courts, professional brethren, and to society. Textbooks: Attorneys at Law in Ruling Case Law and the Code of Ethics adopted by the American Bar Association. *(1 hour. Professor Trusler.)*

PROPERTY IV.—History of the law of wills and testaments; testamentary capacity and intent; kind of wills and testaments; execution, revocation, republication, revival of wills; descent; probate of wills and the administration of estates. Textbook: Costigan's Cases on Wills. *(3 hours. Professor Crandall.)*

FLORIDA CIVIL PRACTICE.* — Organization of courts; parties; joinder and consolidation of actions; issuance, service, and return of process; appearance; trial; verdict; proceedings after verdict; appellate proceedings; peculiar characteristics of the common law actions; special proceedings including certiorari, mandamus, prohibition, quo warranto, habeas corpus, attachment, garnishment, statutory liens, forcible entry and detainer, landlord and tenant. Textbook: Crandall's Florida Civil Practice. *(3 hours. Professor Cockrell.)*

GENERAL CIVIL PROCEDURE.**—The court; parties; forms of action; the trial; selection of jury and procedure in jury trial; judgment; execution; appeal and error. Textbook: Loyd's Cases on Civil Procedure. *(3 hours. Professor———.)*

THIRD YEAR

FIRST SEMESTER

INSURANCE.—Theory, history, significance; insurable interest; concealment, representations, warranties; subrogation; waiver and estoppel; assignees, beneficiaries; creditors; fire, life, marine, accident, guarantee, liability insurance. Text-

*For students intending to practice in Florida.
**For students not intending to practice in Florida.

books: Humble's Law of Insurance and Humble's Cases on Insurance. *(1 hour. Professor Trusler.)*

PUBLIC SERVICE CORPORATIONS.—Nature of public utilities; railroads and other common carriers of goods and passengers; telegraphs and telephones; light and water companies; inns; warehouses; elevators; stockyards; methods of incorporation; public control; rights and obligations at common law and under federal and state statutes. Textbook: Wyman's Cases on Public Service Companies, 3rd edition. *(2 hours. Professor Rasco.)*

FEDERAL PROCEDURE AND BANKRUPTCY.—System of courts created under the authority of the United States, jurisdiction of the several courts and procedure therein; Federal and state bankruptcy legislation; who may become bankrupt; prerequisites to adjudication; receivers; trustees; provable claims; exemptions; composition; discharge. Textbooks: Hughes on Federal Procedure, and Remington on Bankruptcy, Students' Edition. *(3 hours. Professor ————.)*

PARTNERSHIP.—Creation, nature, characteristics of a partnership; nature of a partner's interest; nature, extent, duration of the partnership liability; powers of partners; rights, duties, remedies of partners *inter se;* rights and remedies of creditors; termination of partnership. Textbook: Mechem on Partnership, 2nd edition; selected cases. *(2 hours. Professor Rasco.)*

ADMIRALTY.—Jurisdiction; contracts, torts, crimes; maritime liens, ex contractu, ex delicto, priorities, discharge; bottomry and respondentia obligations; salvage; general average. Textbook: Hughes on Admiralty. *(1 hour. Professor ————.)*

PROPERTY V.—Conditional estates; licenses and waivers; reversions and remainders; rule in Shelley's Case; future uses; future interests; executory devises and bequests; vesting of legacies; cross limitations; gifts; failure of issue; determination of classes; powers; rule against perpetuities; restraints on alienation. Textbook: Kales' Cases on Future Interests. *(3 hours. Professor Crandall.)*

MORTGAGES.—Nature; elements; incidents of the relation; discharge; assignment; redemption; foreclosure; injunction and account; extent of the lien; priority between mortgage

liens and competing claims; equity of redemption. Textbook: Durfee's Cases on Mortgages. *(2 hours. Professor Cockrell.)*

PRACTICE COURT.—*(1 hour.)*

SECOND SEMESTER

DAMAGES.—General principles; nominal; compensatory; exemplary; liquidated; direct and consequential; proximate and remote; general and special; measure in contract and tort actions; entire damages in one action; mental suffering; avoidable consequences; value; interest; lateral support; counsel fees and expenses of litigation; injuries to real property and limited interests; death by wrongful act; breaches of warranty. Textbook: Rogers' Law of Damages; selected cases. *(2 hours. Professor Trusler.)*

MUNICIPAL CORPORATIONS.—Creation of cities and towns; powers of a municipality, including public powers, power of taxation, power over streets and alleys, etc.; obligations and liabilities of municipal corporations; powers and liabilities of officers. Textbook: Elliott on Municipal Corporations, 2nd edition. *(1 hour. Professor Cockrell.)*

SURETYSHIP.—Nature of the contract; statute of frauds; surety's defenses against the creditor; surety's rights, subrogation, indemnity, contribution, exoneration; creditor's rights to surety's securities. Textbook: Spencer on Suretyship. *(2 hours. Professor Kline.)*

NEGOTIABLE INSTRUMENTS.—Law merchant; definitions and general doctrines; contract of the maker, acceptor, certifier, drawer, indorser, vendor, accommodater, assurer; proceedings before and after dishonor of negotiable instruments; absolute defenses; equities; payments; conflict of laws. Textbook: Bigelow on Bills, Notes and Cheques. *(2 hours. Professor Kline.)*

CONFLICT OF LAWS.—Jurisdiction; sources of law and comity; territorial jurisdiction; jurisdiction in rem and in personam; remedies, rights of action, procedure; creation of rights; property rights; personal rights; inheritance; obligations ex delicto and ex contractu; recognition and enforcement of rights; personal relations; property; inheritance; administration of estates; judgments and obligations. Textbook: Minor on the Conflict of Laws. *(2 hours. Professor Rasco.)*

INTERNATIONAL LAW.—Nature, subjects, and objects of international law; intercourse of states; settlement of international differences; law of war; law of neutrality. Textbook: Hershey's Essentials of International Public Law; selected readings. *(1 hour. Professor Kline.)*

TRUSTS.—The Anglo-American system of uses and trusts; creation, transfer, extinguishment of trust interests; priorities between competing equities; construction of trust dispositions; charitable trusts. Textbook: Kenneson's Cases on Trusts. *(2 hours. Professor Rasco.)*

JUDGMENTS.—Nature and essentials; kinds; record; vacation; amendment; modification; satisfaction. Textbook: Rood's Cases on Judgments. *2 hours. Professor Crandall.)*

PRACTICE COURT.—*(1 hour.)*

TEACHERS COLLEGE AND NORMAL SCHOOL

J. W. NORMAN, *Dean*

FACULTY.—J. W. Norman, J. N. Anderson, E. C. Beck, J. R. Benton, A. P. Black, L. M. Bristol, L. W. Buchholz, C. L. Crow, J. W. Day, J. M. Farr, J. R. Fulk, L. S. Greene, W. B. Hathaway, J. M. Leake, T. R. Leigh, W. A. Little, J. S. Rodgers, Joseph Roemer, T. M. Simpson, A. J. Strong, J. E. Turlington.

TEACHING FELLOW.—Sam W. McInnis.

GENERAL STATEMENT

AIM AND SCOPE.—It is the main purpose of the Teachers College and Normal School to furnish such training as will be most useful to its students in the profession of teaching. A teacher should be scholarly, but should also be resourceful in managing a schoolroom or a system of schools. This College attempts to give both kinds of training. More specifically, it prepares its students for positions as teachers, principals, supervisors and county or city superintendents of public instruction. It strives also to develop in its students a keen insight into human affairs, human relationships and human problems. About one-fourth of a student's time is devoted to professional subjects in Education, the other three-fourths to Arts and Science subjects.

DEGREES.—Courses are offered leading to the degrees of Bachelor of Arts in Education, Bachelor of Science in Education, and Bachelor of Science in Agricultural Education. For the Bachelor of Arts degree the major elective work must be chosen in Groups A, B, C and F; for the Bachelor of Science degree, from Groups D and E. In addition to these degrees, the Normal Diploma, sometimes called the L. I. degree, is granted to those students who have finished the second year's work in Teachers College, with the exception that in the Sophomore year Education VI*b* is required, and that one may choose between the required Sophomore and Junior courses in Education. Inasmuch as there is considerable agitation in the

United States at present to make two years of training beyond the high school a minimum requirement for teaching in the elementary school, all students are urged by all means to complete this minimum requirement necessary to receive the Normal Diploma. Students who expect to teach in high school should possess a bachelor's degree.

STATE CERTIFICATES.—Graduates of the Teachers College and of the Normal School are granted State Certificates without further examination—provided that one-fifth of their work has been devoted to professional training and provided that during each of the last two years of their course they have made a general average of eighty-five on all subjects and have not fallen below sixty in any subject. These State Certificates are converted into Life Certificates in the usual way.

VOCATIONAL EDUCATION.—By act of the Legislature of 1917 the University was designated as the institution, under the Smith-Hughes Act, for training teachers for Agriculture and for Trades and Industries. Tentative curricula for Agricultural Education and for the Trades and Industries have been outlined. It is hoped that a large number of students will register for these courses. Many teachers of these subjects will be needed and good salaries will be paid.

The University will secure for students positions during vacations enabling them to gain the practical experience required of those taking courses in Vocational Education.

PEABODY HALL.—A description of Peabody Hall, the home of the College, is to be found on page 23.

LIBRARY.—The General Library, which is temporarily located in Peabody Hall, receives the best educational journals and contains the standard books on educational theory, general and special methods, the history of education, psychology and philosophy. Additions are made every year.

PEABODY CLUB.—This Club meets once a week to discuss educational problems, especially those that confront the young teacher. It also brings out the advantages of holding teachers' meetings and conferences. All students of the College are urged to become members and to take an active interest.

ORGANIZATION.—The Teachers College and Normal School has the following divisions:

(1) Teachers College.
(2) Normal School including Normal Training School.
(3) Spring Session of the Summer School.
(4) University Summer School.
(5) High School Visitation.
(6) Teachers' Employment Bureau.

TEACHERS COLLEGE

ADMISSION.—See pages 44 to 49, inclusive.

TEACHING FELLOWSHIPS.—See page 40.

ELECTIVES.—In order that they may be well prepared to teach in the high schools, students are required to continue three high school subjects in the College thru the Sophomore year. It is urged that they select their electives from closely related subjects in order that they may become proficient in teaching these subjects. The choice of electives must be approved by the Dean and only in exceptional cases will he permit a student to take Education VI*b* who has not completed the minimum requirements in the Group in which he does his teaching.

CURRICULUM

Leading to the Degree of Bachelor of Arts or
Bachelor of Science in Education

CONSTANTS.—i. e., subjects required of all students enrolled in Teachers' College.

Physical Education I	1 hr.	required of Freshmen
Physical Education II	1 hr.	required of Sophomores
Military Science I	2 hrs.	required of Freshmen
Military Science II	2 hrs.	required of Sophomores
English I	3 hrs.	required of Freshmen
Psychology	1½ hrs.	required of Sophomores
Educational Psychology	1½ hrs.	required of Sophomores
Education I	3 hrs.	year course; required of Freshmen
Education II	3 hrs.	year cours. } Sophomores must take either Ed. II or Ed. VI*a* and Ed. IV*b*.
or		
Education VIa	1½ hrs.	first semester
Education IVb	1½ hrs.	second semester
Education IV*a*	1½ hrs.	first semester. Required of Juniors.
Education X*b*	1½ hrs.	second semester. Required of Juniors.
Education III*a*	1½ hrs.	first semester. Required of Seniors.
Education XIV*b*	1½ hrs.	second semester. Required of Seniors.
Education V*a*	1½ hrs.	first semester. Required of Seniors.
Education VI*b*	1½ hrs.	required of Seniors.

Each student must select courses from three of the following Groups. *(See Regulation 2 below.)*

A—Ancient Languages	B—Modern Languages	C—English
Required courses: Latin I, Latin VI or Latin II } 6 hours Recommended courses: Latin III Latin IV Greek A, Greek I or French A, French I or Spanish A, Spanish I	Required courses: French A, French I or Spanish A, Spanish I or German A, German I } 6 hours Recommended courses: French II Spanish II German II Latin History I or IV English IV, V or VI	Required courses: English I (included among constants) English, 6 hrs. 6 hrs. from one foreign language } 12 hrs. Recommended courses: Other courses in languages and History V.
D—Mathematics	**E—Natural Science**	**F—Social Science**
Required courses: Mathematics I and III } 6 hrs. Recommended courses: Mathematics IV 3 hours from a Science Surveying	Required courses: Biology I, Biology II, Biology III, Chemistry I, Physics V } 16 hours Recommended courses: Chemistry III Advanced Physics Chemistry V	Required courses: History I, History II, History III, Sociology I, Economics I } 15 hrs. Recommended courses: Social Science Biology Psychology and Philosophy

REGULATIONS:

1. All students must take all Constants.

2. Each student must select from three Groups of Studies from A to F, and must continue in those selected until completion of Sophomore year; at which time a student may concentrate upon two of these Groups by permission of the Dean.

3. Where the total number of hours of the three Groups combined does not equal 24, additional hours must be taken from the recommended courses in these Groups to make the total 24 or more.

4. A total of 68-year hours is required for graduation.

5. In case a student is exempt from Military Science I and II (see page 193) he must substitute an equal number of hours from other departments.

REQUIREMENTS FOR THE NORMAL DIPLOMA.—The Normal Diploma is awarded those students who have completed the Four-Year Normal Curriculum (see page 176).

The student must either offer sixteen units for entrance to the third year of the Four-Year Normal Curriculum (i. e., Freshman year in College), or he must have completed sixteen units by the end of the second year of this Curriculum. In the next two years (the Freshman and Sophomore years) he must complete at least one credit hour of Physical Education and two credit hours of Military Science. In addition, the student must complete thirty academic and professional year hours, or sixty semester hours. Of these, the following are required: English I, 3 hrs.; Psychology, 1½ hrs.; Educational Psychology, 1½ hrs.; Education I, 3 hrs.; Education VI*b*, 1½ hrs.; and either Education VI*a* and Education IV*b*, or Education IV*a* and Education X*b*, 3 hrs. The student may then choose three of the groups described under the requirements for the Bachelor's degree, and so far as possible complete the "required" courses in these three groups. On account of the large number of hours required in two of the groups, it may be impossible for students who elect these groups to complete all of the "required" courses in three groups. In that case, they should divide their time about equally among the groups chosen.

CURRICULUM, AGRICULTURAL EDUCATION COURSE

Leading to the Degree of Bachelor of Science in Agricultural Education

Freshman Year

Names of Courses	Nature of Work	Hours per Week	
Agricultural Engineering I*a*	Farm Machinery and Motors	3	0
Agronomy I*b*	Farm Crops	0	3
Animal Husbandry I*b*	Types and Breeds of Animals	0	3
Biology II	General Botany	4	4
English I	Advanced College Rhetoric	3	3
Horticulture I*a*	Plant Propagation	3	0
Agricultural Engineering VI*a*	Wood Work	2	0
Agricultural Engineering VII*b*	Forge Work	0	1
Military Science I		2	2
Physical Education		1	1
Hygiene		1	1
Agricultural Education II*b*	Agricultural Organization	0	1
		19	19

Sophomore Year

Names of Courses	Nature of Work	Hours per Week	
Agronomy II*a*	Soils	5	0
Biology V	Entomology	3	3
Chemistry I	General Chemistry	5	5
Horticulture I*b*	Pruning	0	3
Horticulture II*a*	Trucking	3	0
Military Science II		2	2
Veterinary Science I*b*	Veterinary Elements	0	2
Poultry I*b* or Elective	Farm Poultry	0	3
Physical Education		1	1
		19	19

Junior Year

Agronomy IV*b*	Fertilizers	3	0
Sociology III*b*	Rural Sociology	0	3
Education III*a*	Public School Administration and Supervision	3	0
Education IX*a*	Vocational Education	3	0
Education VIII	Methods in Vocational Agriculture	3	3
Education IV*b* or Education VII*b*	Psychology of Adolescence / Educational Psychology	0	3
Biology VI*a*	General Bacteriology	4	0
Biology VI*b*	Agricultural Bacteriology	0	4
Electives in Agriculture		0	3
		16	16

Senior Year

Agronomy VI	Farm Management	3	0
Agronomy X*b*	Marketing	0	3
Shop Work	Vocational Shop Work	3	3
Education XVI	Observation and Supervised Teaching	3	3
Education V*a*	Principles of Education	3	0
Electives in Agriculture		3	6
		15	15

VOCATIONAL EDUCATION—TRADES AND INDUSTRIES CURRICULUM FOR TEACHERS OF RELATED SUBJECTS

Leading to the Degree of B. S. in Education

Subjects of Study	*Hours per Week	
Freshman Year		
Advanced Algebra, Trigonometry and Analytical Geometry	0	3
Descriptive Geometry	3	3
Elementary Woodworking	3	3
English I	3	3
Mechanical Drawing	2	2
Military Science I	2	0
Physics I	3	3
Physics II	2	2
Sophomore Year		
Carpentry	6	0
Chemistry I	5	5
Forge Shop	1½	0
Foundry	0	1½
Machine Drawing	1½	1½
Masonry and Concrete	0	3
Mechanical Technology	0	1
Military Science II	2	0
Physics III	3	3
Plumbing	0	3
Psychology	0	3
Principles of Teaching	0	3
Junior Year		
Analytical Mechanics	4	0
Architectural Drawing	3	3
Economics	3	0
Electrical Engineering I*a*	3	0
Graphic Statics	0	2½
History of Vocational Education	0	3
Kinematics of Machinery	2	2
Machine Shop	3	0
Pattern Making	0	3
Sheet Metal	3	3
Strength of Materials	0	4
Senior Year		
Electrical Engineering V	0	3
Gas Engines	0	2
Gas Engines, Laboratory	0	2
Machine Design	2	4
Machine Shop	3	0
Organization, Surveys, and Vocational Guidance	0	3
Supervised Teaching	6	6
Steam Engines	3	0
Steam Engines, Laboratory	0	2
Vocational Methods	3	0

*The first column gives the hours per week for the first semester; the second, those for the second semester.

TWO-YEAR COURSE FOR TEACHERS OF RELATED SUBJECTS

Presupposing considerable practical experience

Subjects of Study	*Hours per Week	
First Year		
Elective Shop Work, Drawing, etc. (supplementing practical experience)	5	5
Elective Mathematics and Science	5	5
Elective English, Civics, Economics, Sociology, etc.	5	5
Elementary Psychology	5	0
Principles of Teaching	0	5
Second Year		
History of Vocational Education	0	3
Vocational Methods	3	0
Supervised Teaching	4	4
Organization, Surveys, and Vocational Guidance	0	3
Elective Shop, Drawing, or Applied Science	13	10

*The first column gives the hours per week for the first semester; the second, those for the second semester.

DEPARTMENTS OF INSTRUCTION

EDUCATION

Professor Norman
Professor Fulk
Professor Buchholz
Professor Roemer
Professor Day
Professor Greene
Professor Little

DESCRIPTION OF COURSES

EDUCATION I*a*.—*How to Teach. An Introduction to the Study of Classroom Teaching.*—What makes a good teacher? What makes a good school? When may it be said that one is educated? Such questions as these will be taken up in the course. *(Required of Freshmen; first semester; 3 hours. Professor Norman.)*

EDUCATION I*b*.—*Education in the United States.*—A general view of education; present-day public school problems studied extensively in the light of their historical development; our European educational background; beginnings in America; early attitude of federal and state governments toward education; the struggle for free state supported, state controlled schools; new conceptions, extensions and reorganizations in public education. *(Required of Freshmen; second semester; 3 hours. Professor Fulk.)*

EDUCATION II*a*.—*Reviews and Methods of Teaching Arithmetic and Grammar.*—A review of arithmetic and grammar, to acquaint the student with the fundamental principles of the subjects, followed immediately by methods of teaching them. *(Students may choose between Education IIa and Education VIa. First semester; 3 hours. Professor Buchholz.)*

EDUCATION II*b*.—*Reviews and Methods of Teaching Reading, Geography, and History.*—Mastery of each subject from the teacher's point of view, followed immediately by the best methods of teaching the subject. *(Students may choose between Education IIb and Education IVb. Second semester; 3 hours. Professor Buchholz.)*

EDUCATION III*a*. — *Administration and Supervision of Village and Consolidated Schools.*—A course stressing in a practical way problems peculiar to these schools in Florida; their relation to federal, state and local government; the supervising principal, qualifications, relation to superintendent,

boards, teachers, pupils, patrons and community; adapting the school to the child's needs, organization, curriculum, attendance, promotions, tests, health work; business practices, school finance, material equipment, school housekeeping, records and reports. *(Required of Seniors. First semester; 3 hours. Professor Fulk.)*

EDUCATION III*b*.—*Problems in Public School Administration and Supervision.*—This course will include an intensive study of the supervision of instruction. Visits will be made to schools for the study of administrative and supervising practice. A survey will be made of one school system. *(Elective for Juniors and Seniors. Second semester; 3 hours. Professor Fulk.)*

EDUCATION IV*a*.—*High School Curriculum.*—This course is designed to consider the problems of the curriculum of the high school in its organization. Among the topics treated are: standards for the selection of the curriculum; factors to be considered—age of pupils, social standing, probable school life, probable vocation; its traditional subjects and their possible variations; new subjects and their values; systems of organization, election and prescription; problems of articulation with the elementary school, the college, the vocational school, and the community. *(Required of Juniors. First semester, 3 hours. Professor Roemer.)*

EDUCATION IV*b*.—*Psychology of Adolescence.*—The purpose of this course is to give high school principals and teachers a deeper, fuller appreciation of the habitual and impulsive life of boys and girls in their teens. Topics: preadolescence; the physical and mental traits of high school pupils; individual differences among high school pupils and their implications; motor training, gymnastics, athletics, play, sport, and games as they function in the education of the youth; growth of social ideals; adaptation of school work to intellectual development; the psychology of faults, lies and crimes of high school pupils; moral and religious training. *(Second semester; 3 hours. Required of Sophomores. Professor Roemer.)*

EDUCATION V*a*.—*The Problem-Project Method.* The relation of educational method to democracy. Such topics as the laws of learning, the socialized recitation, democracy in the

classroom as a preparation for democracy in life, will find a prominent place in the course. *(Required of Seniors; Juniors admitted by permission. First semester; 3 hours. Professor Norman.)*

EDUCATION V*b*.—*History and Philosophy of Education.*—Standards in education, past and present; the development and present meaning of the concept of culture, humanism, utility, growth, mental discipline, activity leading to further activity, education according to nature, the significance of child life in education. Textbook: Dewey's "Democracy and Education." *(Elective for Juniors and Seniors. Second semester; 3 hours. Professor Norman.)*

EDUCATION VI*a*.—*Child Study.*—The nature, growth and development of the child from birth to adolescence with reference to education; the original nature of the child and his education; the meaning of protracted infancy; training in recognition of types and individual differences, of common defects and how to deal with them; cultivation of intelligent sympathy with children; the effect of Child Study on the practices of elementary and secondary education. *(Sophomores may choose between Education VIa and Education IIa. First semester; 3 hours. Professor Fulk.)*

EDUCATION VI*b*.— *Supervised Teaching.*— Knowledge of the principles, theory and history of education will better fit any teacher for his work, but these without concrete experience and supervision will not give best results. This course is planned to give the student practice in conducting recitations under close supervision. Lesson plans will be required for all recitations and the manner of teaching will be subject to criticism. Students preparing to teach agriculture must do their supervised teaching in that subject, and four (4) hours will be required. (See Education XVI.) For prerequisites see page 162. *(Required of Seniors. 3 semester hours.)*

EDUCATION VII*b*.—*Educational Psychology.*—Psychology applied to Education, the learning process, acquisition of skill, etc. *(Second semester, 3 hours. Required of all students in Teachers College, preferably during the Sophomore year. Professor Norman.)*

EDUCATION VIII.—*Methods and Materials in Vocational Agriculture.*—Among the topics considered in this course are the selection and organization of subject matter from the voca-

tional point of view; the home project and supplementary supervised practice work; the selection, arrangement, and classification of bulletins, books, and periodicals; methods to be employed in the recitation, the laboratory, the field trip, the farm shop, and the supervised study period; lesson planning; assignment making; the farm job as the teaching unit; the teaching of the various branches of agriculture; the selection and use of objective materials; the necessary plant and equipment; community and promotional work; and the organization and conducting of part-time and evening classes. *(Junior year; 3 hours. Professor Day.)*

EDUCATION IX*a*.—*Vocational Education*.—This course includes a consideration of the development, function and scope of vocational education of various kinds, particular attention being given to agricultural education. A study is made of the aims and purposes of rural education and the important problems connected with it. *(Junior year, first semester; 3 hours. Professor Day.)*

EDUCATION X*a*.—*Educational Hygiene*.—Conditions and forces that affect the physical and mental vigor of children and teachers, and relate the school to the health of the home and community; location and sanitation of school buildings; hygienic furniture; diseases and physical defects; medical inspection; hygiene of instruction; teacher's health; play and recreation; teaching of hygiene. *(Elective for Juniors and Seniors. First semester; 3 hours. Professor Fulk.)*

EDUCATION X*b*.—*The Elementary School Curriculum*.—An attempt to formulate a curriculum based on social conditions, and social needs; selection and evaluation of material in the light of aims and activities of the present social situation, and the nature and needs of child life; the curriculum as a group of related problems and projects; the place of the kindergarten; the six or eight year curriculum; importance of the classroom teacher, his spirit, vision and enthusiasm in presenting and interpreting subject-matter. *(Required of Juniors. Second semester; 3 hours. Professor Fulk.)*

EDUCATION XI.—*Educational Diagnosis*.—The making of school surveys; the use of scales for measuring educational products; educational stock-taking. How to determine what kind of school a community needs, and what progress pupils

are making, etc. *(Elective for Graduate Students. 3 hours. Professor Roemer.)*

EDUCATION XII.—*Current Educational Problems.*—Problems vitally important to the success of the teacher. Various phases of school life and activities will be discussed and some attention will be given to educational administration and school law as they affect the teacher. *(Elective for Graduate Students. 3 or more hours. Professor Norman and Professor Fulk.)*

EDUCATION XIV*a.*—*Junior High School.*—The purpose of this course is to give principals and teachers a knowledge of the Junior High School and its organization. Since the movement is in its formative period in Florida, much attention and study will be given to concrete cases and local conditions. Topics: Need of reorganization of the traditional high school; changes needed in the program of studies, discipline, methods of teaching, etc.; development of the Junior High School; special function of the Junior High School; organization, curricula and courses of study, etc., of the Junior High School. *(First semester; 3 hours. Professor Roemer.)*

EDUCATION XIV*b.*— *High School Administration.*—This course is designed to study the practical management and administration of the modern high school. It will consider such topics as: duties of principal as head of school; relation of principal to board of education, superintendent, teachers, pupils and community; legal status of high school; systems of financing; selection, supervision, promotion, retention and dismissal of teachers; adjustment of teaching load; testing and grading of pupils; problem of discipline; pupil guidance, athletics, wider use of school plant, supervised study, student activities, teachers' meetings, etc. *(Required of Seniors. Second semester; 3 hours. Professor Roemer.)*

EDUCATION XV.—*Democracy and Education.*—The nature of experience, the nature of institutions, the social inheritance, the individual, society, socialization, social control, dynamic and static societies, education its own end. *(Elective for Seniors and Graduate Students. 3 hours. Professor Norman.)*

EDUCATION XVI.—*Supervised Teaching of Vocational Agriculture.*—Supervised teaching is conducted with a class of boys from the local high school under conditions that are

identical with those found in the Smith-Hughes Agricultural Schools of the State. Lesson planning, teaching, the conducting of project work and home practice work, and the performance of the other activities of the teacher of vocational agriculture are carried on under supervision. *(Senior year; 3 hours. Professor Day.)*

OTHER DEPARTMENTS

Descriptions of the other subjects taken by students in Teachers College may be found by reference to the Index.

ITINERANT PLAN OF TRAINING INDUSTRIAL TEACHERS

Under the Smith-Hughes Act there are two types of teachers of trade and industrial education: the shop teacher, who gives instruction in the actual shop or trade manipulative subjects—carpentry, machine shop, blacksmithing, printing, etc.; the related-subject teacher, who teaches the technical branches relating to the trade—drawing, related mathematics or science.

In cooperation with the State Board for Vocational Education, the University is securing as many as possible related-subject teachers from the industries of the State, altho a few may be obtained from among the members of the teaching profession. All of the shop teachers will be obtained from the industries. Prospective trade and industrial teachers are selected because of their industrial experience, education, moral and civic ideals, and potential teaching ability, which qualifications are determined mainly by personal interview and by careful inquiry of fellow-workmen and employers. Once selected, these prospective teachers, obviously varying greatly in preparation, are grouped in evening classes in their home cities and trained by a representative of the University in the art of teaching, altho as much as possible of the work in Supervised Teaching is done in part-time classes.

As demand arises, those who have successfully completed the courses are, with the approval of the State Board for Vocational Education, put into service by local boards. Fifteen men have up to the present time been thus trained and immediately afterwards placed in teaching positions.

The subjects taught are divided into four groups, each usually requiring thirty hours for completion. If possible,

however, much more than thirty hours will be devoted to the Supervised Teaching, especially as thru this most of the Observation will also be accomplished.

The courses will in general be as follows:

A.—History and development of the vocational education movement; mechanics of teaching; shop organization; educational law (state and national); trade analysis for educational purposes.

B.—Applied science; shop mathematics; mechanical drawing and design; industrial methods.

C.—Supervised teaching.

D.—Supervised teaching; observation; making up deficiencies in trade or general education and in trade experience.

NORMAL SCHOOL

COURSES AND REQUIREMENTS

The Normal School offers a four-year normal curriculum.

This curriculum is similar to that of the standard normal schools of this country. Applicants who have finished the first two years of a high school, or those who hold a First Grade County Certificate, will be admitted to the first year of this curriculum. High school graduates will be allowed to enter the third year. Teachers with experience and mature persons may be admitted as "Adult Specials" without meeting these requirements. Graduates of the Normal School will be admitted to the Junior class of the Teachers College and will be granted a State Certificate, provided they make an average of eighty-five per cent in all subjects during the third and fourth years.

STUDIES.—The work of the first two years of the Normal School is equivalent to that of the eleventh and twelfth grades of the standard high schools of Florida. Not less than 15 nor more than 20 hours may be taken in any one year except by special permission. All choice is subject to the approval of the Dean of Teachers College. The work is arranged so that students may enter at any time, but it would be more convenient both to the student and to the Normal School for entrance to be made at the first of the year, at Thanksgiving, the first of the second semester, or the first of April. Students who enter at these times may secure credit for the quarter in which they are registered.

DRILL.—Students below the Freshman class are not required to drill.

CURRICULUM FOUR-YEAR NORMAL

First Year

Names of Courses	Nature of Work	Hours per Week
English NI	Rhetoric, Composition and Classics	4
History NI	Modern European History	4
Mathematics NI	Plane Geometry	4
Take 5 hours of the following:		
Agriculture NI	Elements of Agronomy and Horticulture	3
Latin NI	Beginner's Course	4
Mechanic Arts NI*a* and NII*b*	Wood work	3
Science NI	Biology	4
Science NII	Chemistry	4
Spanish NI	Beginner's Course	4
Required		20

Second Year

English NII	Rhetoric, Composition and Classics	4
History NII	American History and Civics	4
Take 10 hours of the following:		
Agriculture NII	Elements of Animal Husbandry and Agricultural Engineering	3
Latin NII	Caesar (3 books) and Composition	4
Mathematics NII	Plane Trigonometry and Solid Geometry	4
Mechanic Arts NIII*a* and NIV*b*	Forge and Foundry Work	4½
Science NIII	Physics	4
Spanish NII	Second Year Course	4
Required		20

Third Year

(Same as Freshman year in Teachers College.)

Fourth Year

(Same as Sophomore year in Teachers College, except that Education VI*b* is required in the Sophomore year instead of the Senior year, and the Junior courses in Education may be substituted for the Sophomore courses.)

DEPARTMENTS OF INSTRUCTION

AGRICULTURE

AGRONOMY NI.—*Agronomy and Horticulture.* (See pages 105 and 113.)

AGRICULTURE NII.—*Agricultural Engineering and Animal Husbandry.* (See pages 107 and 108.)

ENGLISH

Professor Little

ENGLISH NI.—*Composition and Rhetoric.*—Grammar reviewed; elements of composition emphasized; much written work required; classics read and studied; structure of the sentence and paragraph; word study. *(First year; 4 hours.)*

ENGLISH NII.—*English and American Literature.*—Periods and representative writers; history as connected with literature; a carefully selected list of classics for reading and study; appreciation of the best in literature; memory gems. Presupposes NI or its equivalent. *(Second year; 4 hours.)*

HISTORY

Professor Fulk

HISTORY NI.—*Modern European History.*—Medieval history touched lightly, stress being placed upon modern European history. Textbook and reference reading. *(First year; 4 hours.*

HISTORY NII.—*American History and Civics.*—Early discoveries to the present time; civics in connection with the history. Stress will be laid upon local history, geography and industries, transportation and communication, organized community life and public health, local, state and national governments. Textbook and reference reading. *(Second year; 4 hours.*

LATIN

Professor Little

LATIN NI.—*Beginner's Latin.*—A good first-year book will be completed. *(First, second or third year; 4 hours.)*

LATIN NII.—*Caesar, Composition and Grammar.*—Three books of Caesar, with composition and grammar. *(Second, third or fourth year; 4 hours.)*

MANUAL TRAINING

Professor Strong

MECHANIC ARTS NI*a*.—See Wood Working *a*, College of Engineering.

MECHANIC ARTS NII*b*.—See Wood Working *b*, College of Engineering.

MECHANIC ARTS NIII*a*.— See Forge Shop, College of Engineering.

MECHANIC ARTS NIV*b*.—See Foundry, College of Engineering.

MATHEMATICS

Professor Norman

MATHEMATICS NI.—*Second Year Algebra.*—Second half of the State adopted textbook. *(First year; 4 hours.)*

MATHEMATICS NII.—*Plane Geometry.*—First five books in Plane Geometry. *(First year; 4 hours.)*

MATHEMATICS NIII.—*Solid Geometry and Plane Trigonometry.*—Study of the topics covered by standard high schools. *(Second year; 4 hours.)*

SCIENCE

Professor Roemer

SCIENCE NI.—*Biology.*—Essentials of plant, animal and human biology; textbook and laboratory work. Carefully kept notebooks required. *(First year; 4 hours.)*

SCIENCE NII.— *Chemistry.*— Elementary principles of chemistry; textbook and laboratory work. Carefully kept notebooks required. *(First year; 4 hours.)*

SCIENCE NIII.—*Physics.*—Elements of physics; textbook and laboratory work. Carefully kept notebooks required. *(Second year; 4 hours.)*

THE SPRING SESSION OF THE SUMMER SCHOOL

(Co-Educational)

April 2-May 26, 1923

To meet the increasing demand for trained teachers, we are this year offering in the Spring and Summer Schools, two terms of eight weeks each instead of one as heretofore. The first term will begin on April 2, and continue for eight weeks. The second term will be the Summer School of previous years, beginning about the middle of June. Its duration will also be eight weeks.

Those teachers whose schools close about the first of April will find it convenient to enter at the beginning of the first term and remain for both terms, thus making twice as much progress as they have been able to do in the Summer terms of past years. In fact, a student may do a full half year's work in these two terms.

If it is impossible to attend both terms there are many advantages of the first term. The classes will be smaller, thus affording better instruction; the congestion attendant upon the Summer School will be avoided, and the weather will be more pleasant. It is hoped that as many as can will attend the first term.

COURSES OF INSTRUCTION

The Spring session of the Summer School is coeducational and maintained primarily for the benefit of the teachers of the State, but others may profitably pursue the courses offered.

The courses are divided into four separate and distinct groups, each serving a special purpose:

1. *Review Courses* in the subjects required for examination for teachers' certificates.

2. *Normal Courses* leading to the Normal Diploma.

3. *College Courses* leading to standard college degrees of A. B. in Education and B. S. in Education.

4. *Graduate Courses* leading to advanced degrees.

EXPENSES

Registration fee	$ 5.00
Boarding and lodging in Dormitory, per week	5.25
In advance for the term	40.00
Board without lodging	4.25
Board without lodging for the term	32.00

Rooms.—During the spring term dormitory rooms will be available for men only; during the summer term for women only. All students are required to provide for themselves a pillow, bed linen, towels, and other things as they may want for their own special convenience.

Good rooms can be obtained adjacent to the campus at a moderate price. For full particulars write to

J. W. NORMAN, Dean,
Teachers College and Normal School
Gainesville, Florida

UNIVERSITY SUMMER SCHOOL

(CO-EDUCATIONAL)

June 14-August 9, 1922.

FACULTY (1922).—A. A. Murphree, J. W. Norman, Mrs. Stella P. Arrington, E. C. Beck, A. P. Black, Miss Georgia Borger, Wm. R. Bourne, L. M. Bristol, Miss Christine Carmack, W. H. Cassels, J. M. Chapman, M. D. Cody, J. W. Day, S. A. Draper, H. O. Enwall, Miss Reba F. Harris, Eldridge Hart, W. B. Hathaway, E. A. Haynie, R. L. Hamon, R. H. Hixson, C. I. Hollingsworth, Miss Ethel L. Hopkins, H. C. Johnson, B. B. Lane, J. M. Leake, T. R. Leigh, Miss Gertrude McArthur, Miss Bess McGill, E. W. McMullen, P. T. Manchester, R. G. Manchester, H. G. Metcalfe, Miss Cora Miltimore, W. S. Perry, Jos. Roemer, Mrs. Jos. Roemer, Miss Maude Saunders, T. M. Simpson, A. W. Sweet, R. P. Terry, Mrs. Mabel Wall, Geo. E. White, J. E. Willett, O. I. Woodley.

GENERAL STATEMENT

The University Summer School was provided for by the "Summer School Act" passed by the Legislature of 1913. It is co-educational and maintained primarily for the benefit of the teachers of the state, but other courses are offered.

The entire equipment of the University is at the service of the faculty and students. Ample provision is made for intellectual recreation and physical exercise. The Peabody Literary Society meets weekly; lectures or concerts are given frequently; the gymnasium, swimming-pool, baseball grounds, and tennis courts are at the disposition of the students, and instructors are at hand to direct athletic activities.

REGULATIONS.—To fulfill its highest mission the Summer School should not be utilized merely for the purpose of "cramming" for examinations. It is therefore hoped that all teachers will recognize the wisdom of the Summer-School Board in establishing the following regulations:

1. No teacher shall be allowed to take more than twenty hours per week of purely academic subjects.
2. No teacher shall take less than five hours per week of professional work.

3. The maximum number of hours per week, including professional, vocational, and academic subjects, shall, in no case, exceed twenty-seven. Two laboratory hours shall count as one hour of academic work.

CREDIT FOR WORK.—Attention is directed to the following sections of the "Summer School Act":

Sec. 5.—"All work conducted at the said Summer Schools shall be of such character as to entitle the students doing the same to collegiate, normal, or professional credit therefor, and may be applied towards making a degree."

In order to carry out the spirit of this provision, the University allows, under restrictions, a maximum of four and a half credit hours for work done at any one session of the Summer School. Attendance at three summer sessions satisfies the residence requirements for securing a Normal Diploma or an undergraduate degree from the Teachers College. For an advanced degree four sessions are required. By combining credits gained at the Summer School with those gained in the General Extension Division of the University, it is possible for a teacher to secure a certificate or a degree without losing a prohibitive amount of time from his work. Certificates and degrees secured in this way are awarded, when so desired, on the last day of a session of the Summer School.

Sec. 6.—"All teachers attending any of the Summer Schools herein created and whose work entitles them to credit therefor, upon making proof of the same to the State Superintendent of Public Instruction, are hereby entitled to one year's extension on any Florida teacher's certificate they may hold and which has not fully expired, and such certificate may be extended one year for each succeeding session attended by the said teacher."

Certificates of credit making proof of the work done will be granted by the State Superintendent only to those teachers who attend the full term and whose work is satisfactory.

EXPENSES.—There is no charge for tuition. Board and lodging (including lights, but not pillows, bed linen, or towels) will be offered at $5.25 per week, or $40.00 for the entire session of eight weeks; board without lodging at $4.25 per week or $32.00 per session. Children under eight years of age will not be admitted to the dormitories, but may dine with their parents in the Commons at $2.00 per week. Children between eight and ten, $2.50 per week for board; above ten, full charge. All accounts are payable in advance.

COURSES OF STUDY

The courses given during the session of 1922 were fully described in the Summer School Bulletin of that year and were, furthermore, for the most part very similar in character to the corresponding ones of the Teachers College and Normal School. In view of these facts, and inasmuch as a detailed program for the session of 1923 will be published separately, it is thought unnecessary here to make more than mere mention of the courses in question. The work offered in the Summer School of 1923 is divided into five separate and distinct groups, each serving a specific purpose:

1. REVIEW COURSES in all subjects required for county, state and special certificates.

2. PROFESSIONAL COURSES meeting the requirements for the extension of teachers' certificates without examination.

3. NORMAL COURSES leading to the normal diploma.

4. COLLEGE COURSES leading to standard college degrees of A.B. and B.S.

5. GRADUATE COURSES leading to advanced degrees.

A complete catalog of all the work of the Summer School will be issued. For reservation of rooms and other information address J. W. Norman, Dean, Gainesville, Fla.

HIGH SCHOOL VISITATION

Thru Dr. Roemer, Professor of Secondary Education, the University strives to keep in close touch with the high schools of the state. Part of his time is taken up with visiting the high schools and lending such aid and encouragement as will be productive of stronger high schools and a closer connection between them and the University.

TEACHERS' EMPLOYMENT BUREAU

Teachers College and Normal School desires to serve the whole state in every possible way. For this purpose a Teachers' Employment Bureau was instituted and is open thruout the year. From school officials it receives requests for teachers. From teachers it receives requests for information as to vacancies. It files such information and tries, when called

upon, to meet the needs of both teachers and school officials. To be of greatest service it needs and invites the cooperation of superintendents, principals, and teachers. Officials needing trained men or women, and teachers desiring promotion or change, are asked to call upon the Bureau for its aid. No charges are made for services. For information, address Dr. Jos. Roemer, University of Florida, Gainesville, Florida.

DIVISION OF HYGIENE

ALBERT W. SWEET, *Director*

G. C. Tillman, Physician to University.
R. G. Manchester, Director Physical Education.
Miss G. C. Rowan, Nurse.

INSTRUCTION

HYGIENE I*a*.—Instruction by lecture, recitation and written exercise in general and individual Hygiene. Course comprises educational, informational, defensive and constructive Hygiene, with especial reference to infectious diseases, causes, effects and prevention; sex Hygiene and social diseases; the general features concerning the destructive agents of health. Required of all first year students. *(1 hour thruout the year. Acceptable for credit for pre-medical work by the American Medical Association. Dr. Sweet.)*

HYGIENE I*b*.—Instruction by lecture and written exercise in personal Hygiene. Course supplements Hygiene I*a*. Subject matter: Factors of Hygiene, Destructive and Constructive Agents of Health. *(2 hours, first semester. Elective for students who have satisfied prerequisite of Hygiene* I*a*. *Dr. Sweet.)*

HYGIENE II.—Instruction by lecture in the common groups that make up the community. Treats of the Hygiene of the family, school, industry, farm, institution, and other groups which are typical of every village or town. *(2 hours, first semester. Elective for students who have satisfied prerequisite of Hygiene I. Dr. Sweet.)*

HYGIENE III.—Instruction by lecture in the intergroup factors of community, state, nation. Treats of water supply, sewage disposal, garbage disposal, streets, infectious diseases, disinfection, fumigation, clinics and other destructive and constructive elements of community, state and national health. *(2 hours, second semester. Elective for students who have satisfied prerequisite of Hygiene I. Dr. Sweet.)*

HYGIENE IV.—Instruction by lecture in the pathogens of human disease. Presents the cultural, historical, and hygienic aspects of the infectious diseases. *(Two hours lecture and two*

hours laboratory; second semester. Elective for students who have completed one semester of general bacteriology. Dr. Sweet.)

MEDICAL ASSISTANCE

CONSULTING CLINICIANS.—Drs. Smith, Dell, Waldo.

PHYSICAL EXAMINATION.—Regular medical examinations are offered twice yearly, and in particular cases more frequently. Opportunity is offered for individual and private conference with University Physician, Director of Department or assistants. Drs. Sweet and Tillman.

MEDICAL SERVICE.—University Physician keeps hours daily at University Infirmary for purposes of consultation. Infirmary care is provided for those requiring it. Constant bedside care is given by resident registered nurse. Dr. Tillman and Miss Rowan.

DIVISION OF ATHLETICS AND PHYSICAL EDUCATION

J. L. WHITE, JR., *Athletic Director, 1923-24.*

R. G. MANCHESTER, *Acting Athletic Director, 1922-23, and Director of Physical Education.*

R. G. MANCHESTER, *Professor of Physical Education and Coach of Minor Sports.*

J. A. Van Fleet, *Head Football Coach.*

H. G. Sebring, *Assistant Football Coach.*

J. R. Farrior, *Freshman Coach, Varsity Coach, Basketball and Baseball.*

J. H. Atkinson, *Track Coach.*

I. E. Ryder, *Assistant Track and Football Coach, 1922-23.*

L. W. Amis, *Assistant Football Coach, 1922-23.*

D. B. Hundley, *Assistant in Physcial Education.*

E. A. Kopp, *Assistant in Physical Education.*

The department has been reorganized and is conducted for the purpose of giving every student a thoro course in general physical training under proper supervision and expert teachers, and to give opportunity and encouragement to participate under the direction of skilled coaches in various forms of competitive athletics for the educational and training values that come from such experience. Every effort is made to conserve the time required of candidates for intercollegiate teams and to promote in practice and contest, ideals of sportsmanship and fair play. At the same time the extension among all students of participation in various forms of competitive athletics is vigorously promoted thru a large variety of intra-mural and minor sports contests, indoor and out. Great emphasis is placed upon outdoor work in Florida's wonderful climate.

A thoro physical examination is made of each student on entering the University, on the basis of which he is given advice and direction as to his physical activities during his college course. This enables the student to secure the greatest

values from this phase of his college work. This physical examination is supplemented by periodical examinations required of all those students who are candidates for competitive teams; those who are below par physically as a result either of illness, improper development, or some other physical handicap; and by yearly examinations that are optional to other upper classmen. Special classes are arranged for those needing special work of a corrective nature, and for those having physical disabilities. No violent or dangerous exercises are permitted.

Every freshman and sophomore is required to take a course in physical education for three periods a week thruout the year; college credit is given for this. One year of this consists of a course in introductory physical training, composed of boxing, wrestling, calisthenics, apparatus work, group games and mass athletics. This course is designed to improve body control and physical alertness; to establish habits of regular exercice and to give an experience in various kinds of recreative sports that will be useful in later life.

During the second year the sophomores can elect some form of athletics such as: football, tennis, basketball, baseball, soccer, swimming, track, volley ball, handball, boxing, wrestling, etc.

Every encouragement and facility is placed at the disposal of upper class students to take part in intra-mural and intercollegiate athletic sports on account of their body-building, social and character-forming values.

INSTRUCTION AND CERTIFICATE IN COACHING AND PHYSICAL EDUCATION

In order to meet the growing demand a curriculum in Physical Education and Coaching has been arranged. A certificate will be issued to those successfully completing the required work. This is open to all students, but permission must be obtained from the Dean of the college in which the student is registered, and the Director of Physical Education.

A student satisfactorily completing twelve year-hours in Coaching and Physical Education will be granted a certificate in Coaching and Physical Education. Eight of these hours are

constants, and four are elective. The required courses are Coaching I, II, III, IV, and Physical Education I, II, VIII, and X. Each of the courses given below carries a credit of one year-hour.

ATHLETIC COACHING

COACHING I.—*Football.*—Rules; offense and defense; generalship and strategy; training; conditioning; equipment; kicking; forward passing; tackling; dummy and charging sled; drills for linemen; ends, and backs; following the ball; interference and team work; fundamental plays, freak plays, and signal system. *(Recitations 2 hours; field work 4 hours; one-half semester. Mr. White and Mr. Van Fleet.)*

COACHING II.—*Baseball.*—Batting; base-running; fielding each position; team work and coaching; rules; physical condition. *(Recitations 2 hours; field work 4 hours; one-half semester. Mr. White and Mr. Farrior.)*

COACHING III.—*Basketball.*—Coaching; passing; goal-throwing; teamplay; condition; different styles of play used by leading coaches. *(Recitations 2 hours; field work 4 hours; one-half semester. Mr. White and Mr. Farrior.)*

COACHING IV.—*Track and Field Athletics.*—Starting; sprinting; distance running; hurdling; high and broad jumping; pole vaulting; shot putting; hammer throw; discus; preparing contestants for events; individual peculiarities; rules; physical condition; promotion; management and officiating at games and meets. *(Recitations 2 hours; field work 4 hours; one-half semester. Mr. White and Mr. Atkinson.)*

COACHING V.—*Training.*—Training; massage; treatment of sprains; bruises; bandaging and first aid. *(Lectures 1 hour; practical work 6 hours; one-half semester. Mr. Manchester.*

COACHING VI.—*Swimming.*—Technique of common strokes; floating; simple and fancy diving; rescue and resuscitation of the drowning. *(Lectures 1 hour; field work 2 hours; one semester. Instructor to be supplied.)*

COACHING VII.—*Tennis.*—Instruction in the fundamentals of the game and practice under supervision. *(4 hours; one semester. Instructor to be supplied.)*

COACHING VIII.—*Boxing.*—Instructions in art of self-defense. *(4 hours; one semester. Instructor to be supplied.)*

COACHING IX. — *Wrestling.* — Demonstrations and practice of common hold and breaks. Elementary wrestling progressing towards advanced wrestling for participation in tournament. *(4 hours; one semester. Instructor to be supplied.)*

COACHING X.—*Fencing.*—Elementary course in the art of foil fencing and duelling swords. *(4 hours; one semester. Instructor to be supplied.)*

PHYSICAL EDUCATION

PHYSICAL EDUCATION I.—*Calisthenics.*—Instructions given in free exercises for general development and muscular coordination, gracefulness and good posture. *(Required of all Freshmen; 2 hours; two semesters. Mr. Manchester and Assistant.)*

PHYSICAL EDUCATION II. — *Elementary Gymnastics.* — Theory and practice in elementary exercises on mats, horse, horizontal bar, parallel bar, and rings. Accuracy of form and executions emphasized. *(Required of all Sophomores; 2 hours; two semesters. Mr. Manchester and Assistant.)*

PHYSICAL EDUCATION III.—*Mass Play.*—Practical work given in mass formation. Consists of calisthenics in mass; group, such as cage ball, push ball, soccer, giant volley ball, etc. *(Required of all Freshmen and Sophomores; one semester. Mr. Manchester and Military Instructors.)*

PHYSICAL EDUCATION IV.—*Corrective Gymnastics.*—The aim is to give special and personal instruction for correction of poor physique, posture and physical defects. Elective for all students. *(Hours to be arranged; one semester. Mr. Manchester.)*

PHYSICAL EDUCATION V.—Intermediate Gymnastics.—More advanced work along same lines as Course II. The law of gymnastic progression; nomenclature and analysis of exercises and use of heavy apparatus. Open to all students working for certificates. *(Prerequisite: Courses I and II. 2 hours; one semester. Mr. Manchester.)*

PHYSICAL EDUCATION VI.—*Advanced Gymnastics.*— Advanced work on mat; rings; heavy apparatus; nomenclature; skill; form, and accuracy of execution. Practice work in leading classes. Open to students working for certificate and completing Course V. *(2 hours; one semester. Mr. Manchester.)*

PHYSICAL EDUCATION VII.—*School Room Gymnastics.*— Practical work in exercises suitable for elementary grades. How to grade exercises suitable for different ages and condition. Elective for all students. *(Prerequisites: Courses I and II. 2 hours; one semester. Mr. Manchester.)*

PHYSICAL EDUCATION VIII. — *Play and Playground.* — Theory and practice in planning playgraund activities and arranging games suitable for age and environment. *(2 hours; one semester. Mr. Manchester.)*

PHYSICAL EDUCATION IX.—*First Aid to Injured.*—Theory and practice. Elective for all students. *(2 hours; one semester. Mr. Manchester.)*

PHYSICAL EDUCATION X.—*The Teaching of Physical Education.*—Theory and practice. Teaching in gymnasium and public schools. Lectures and outside reading. Open to students working for certificate. *(Prerequisites: Courses I and II. 2 hours; one semester. Mr. Manchester.)*

DIVISION OF MILITARY SCIENCE AND TACTICS

Reserve Officers' Training Corps

Senior Infantry Unit.

J. A. Van Fleet, *Major, Infantry, U. S. Army, Commandant of Cadets and Professor of Military Science and Tactics.*

L. W. Amis, Captain, Infantry, U. S. Army;
F. H. Bain, Captain, Infantry, U. S. Army;
I. E. Ryder, Captain, Infantry, U. S. Army;
J. H. Atkinson, Captain, U. S. Army, Retired;
Assistant Professors of Military Science and Tactics.
D. B. Hundley, Sergeant, Infantry, U. S. Army;
E. A. Kopp, Sergeant, Infantry, U. S. Army;
Instructors, Military Science and Tactics.

Authority.—The authority for the maintenance of the Reserve Officers' Training Corps will be found in the National Defense Act, June 3, 1916, as amended by the act of June 4, 1920. This act and the amended act provide for the maintenance, at colleges, of units of the Reserve Officers' Training Corps, and authorizes the Secretary of War to furnish the necessary supplies and provide a standard course of instruction.

Object.—These units were authorized by Congress for the purpose of providing a corps of reserve officers to lead our augmented armed forces in time of war. The war with Germany has shown conclusively that we must depend upon college men for our additional officers. It is a part of the approved military policy of the people of the United States to maintain a small standing army. When the nation is drawn into war and large additional armed forces are raised it is necessary that they be provided with trained officers. A study of our military history shows that many lives have been sacrificed in the past because of the scarcity of officers capable of leading men in combat. The Government has attempted to rectify this by training young men in college so that if war comes they may step into positions of leadership and acquit themselves creditably.

REGISTRATION FOR MILITARY TRAINING.—All students, except law students and students taking vocational training, will be required to register in Military Science I and II. Cards for that purpose can be obtained from the office of the Professor of Military Science and Tactics, and will be filled out and returned to the same office on the day of registration. Requests for exemption in military training may be made in the proper space on the card and will be acted upon by the Professor of Military Science and Tactics. Exemptions will be granted to graduate students, juniors and seniors who have completed the basic course, citizens of foreign countries, students taking the short courses in Agriculture of one year or less, the physically disqualified, and those who are more than 22 years of age at date of original entry into the University. All students so excused, who are taking a course leading to a degree must take additional academic work to compensate for the loss of credits in military training. A physical examination is given to all students in the fall of the year and exemptions on account of physical disability can only be granted as recommended by the school physicians conducting this examination.

ACCEPTED CREDITS.—Credit for work in a Reserve Officers' Training Corps unit similar to the one at the University of Florida will be given all students who present duly authenticated credentials. Those students from Senior units of the Reserve Officers' Training Corps will be given the full equivalent credit; those from Junior units, partial credit for two or more years of military training as determined by their standing in the Junior unit and their demonstrated ability. Duly authenticated credentials must be presented in every case before credits can be given.

ORGANIZATION.—*Equipment, Camps.*—The War Department has laid out a standard course of instruction covering a period of four years. This is divided into the basic and advanced courses, each covering a period of two years.

The basic course is compulsory as outlined above, and is usually pursued during the Freshman and Sophomore years, but must be taken prior to graduation and in two consecutive years. The War Department issues to the basic course students a complete uniform, except shoes, and necessary equipment, free of charge. A six-weeks Summer Camp is optional with

the course. These camps afford a fine opportunity for the student to improve his military knowledge and to engage in healthful recreation. He is surrounded by every moral safeguard and provided with every recreation and healthful amusement that a young man could wish. Chaplains look after his moral welfare, and every effort is made to improve him mentally, morally, and physically. The War Department pays all expenses, including mileage, rations, medical attendance, clothing and laundry service.

Students who complete the basic course and are selected by the Professor of Military Science and Tactics and the President of the University, may elect the advanced course. Students electing this course are expected to carry it to completion as a prerequisite to graduation. Upon its completion those students recommended by the Professor of Military Science and Tactics and the President of the University, will upon their own application be offered a commission in the Infantry Reserve Corps, United States Army. Students in the advanced course are given the same allowances as the basic course students and in addition commutation of the garrison ration. An advanced course Summer Camp is compulsory usually between the junior and senior years. All the expenses are paid as outlined for the basic course camp and in addition the pay of the seventh grade, U. S. Army.

The War Department maintains at the University a full assortment of Army uniforms and infantry equipment, valued at over $80,000. Included in this equipment is a 48-piece set of band instruments. The Department is well supplied with office and class rooms, a military exhibit room, supply rooms, an indoor and outdoor gallery range, a full size modern rifle range of eight double sliding targets, excellent drill, parade, and maneuver grounds. An open climate the year round facilitates the practical instruction.

The Corps of Cadets at present is organized as a battalion of infantry of four companies, A, B, C, and D, and a Military Band. Assignments to the band are made upon the recommendation of the Professor of Music, and the work substituted for part of the practical course. The Battalion Staff and Company and Band Officers are appointed from the students in the advanced course by the Professor of Military Science

and Tactics, with the approval of the President of the University.

Students are required to purchase a uniform shoe of army design, and to pay one dollar registration fee for the safekeeping of the uniforms and equipment, which remain the property of the United States. A supply of these shoes is kept by the University and sold at the wholesale price.

COURSES OF INSTRUCTION

INFANTRY

Basic Course

MILITARY SCIENCE I.—Freshman year, first and second semesters. Lectures, recitations, drills, calisthenics, and ceremonies. *(6 hours a week. 2 year credits.)*

The work is divided as follows:

(a) Practical.—Infantry drill, school of the soldier, squad, platoon, company and ceremonies; gallery and rifle firing; scouting and patrolling; setting up exercises and mass play; organization; infantry equipment.

(b) Theoretical.—Infantry drill regulation, the school of the company and ceremonies; theory of rifle marksmanship; minor tactics; security; military courtesy.

MILITARY SCIENCE II.—Sophomore year, first and second semesters. Lectures, recitations, drills, calisthenics, and ceremonies. *(6 hours a week; 2 year credits. Prerequisite: Military Science I.)*

The work is divided as follows:

(a) Practical. — Command and leadership; ceremonies; setting up exercises and mass play; gallery, rifle and automatic rifle firing; bayonet drill; rifle and hand grenades; musketry.

(b) Theoretical.—First aid; military hygiene and sanitation; map reading, topography and military sketching; musketry, theory of fire, target designations and recognition, control of fire.

ADVANCED COURSE

MILITARY SCIENCE III.—Junior year, first and second semesters. Elective. Lectures, recitations, command and lead-

ership. *(6 hours a week; 2 year credits. Prerequisite: Military Science II.)*

The work is divided as follows:

(a) Practical. — Command and leadership; gallery, rifle, machine gun, 37 mm. gun, and trench mortar firing; field engineering.

(b) Theoretical. — Field engineering, defenses, obstacles, demolitions, roads, bridges; machine guns, platoon drill and mechanism, theory of direct and indirect fire; elements of international law; military law.

MILITARY SCIENCE IV.—Senior year, first and second semesters. Elective. Lectures, recitations, command and leadership. *(6 hours a week; 2 year credits. Prerequisite: Military Science III.)*

The work is divided as follows:

(a) Practical. — Command and leadership; gallery, rifle and pistol firing; tactical walks, patrols, covering detachments, offensive and defensive operations.

(b) Theoretcial.—Military history and policy of the United States; administration; minor tactics.

DIVISION OF REHABILITATION

Professor Buchholz, Counselor

It is the aim of the instructors to discover and to cultivate the talent of the Rehabilitation Men and thus to prepare them to fill successfully their stations in life.

Special courses in arithmetic, reading, writing, and elementary agriculture are given to those who have not finished the common-school grades. Provision is made even for those who can neither read nor write.

COLLEGE OF AGRICULTURE

The Dean and the Counselor aid the student in selecting his studies, so that the knowledge acquired may be of the greatest practical value to him after the completion of his work at the University.

Men able to satisfy the entrance requirements may select from the courses offered in this College. Those who have completed the tenth grade, or its equivalent, are advised to enter upon the Short Courses in Agriculture (see pages 115 to 117). Deficiencies in entrance requirements may be made up in the Teachers College and Normal School.

For those who have finished the common-school branches there has been arranged the following:

Names of Courses	Nature of Work	Hours per Week	
Agricultural Education I	Library Work	1	0
Agricultural Education II	Agricultural Organizations	0	1
Agricu'l Engineering II	Farm Motors	2	0
Agronomy A	Elements of Agronomy	3	0
Agronomy B	Fertilizers	0	3
Animal Husbandry A	Elements of Animal Husbandry	3	0
Animal Husbandry B	Elements of Dairying	0	3
Bee Culture	Elements of Bee Culture	0	3
Dairying I	Dairy Products	3	0
Horticulture I	Plant Propagation	2	2
Horticulture II	Trucking	2	2
Horticulture IV	Citrus Culture	3	0
Horticulture V	Citrus Harvesting and Marketing	0	3
Horticulture VI	Insects and Diseases of Citrus Fruits	3	0
Poultry Husbandry I	Farm Poultry	0	3
Veterinary Science I	Veterinary Elements	0	3
		22	23

A model farm of fifteen acres is being operated by elementary men under the direction of an expert in Poultry, Gardening, Farming, and Fruit Growing.

COLLEGE OF ENGINEERING

Vocational men able to satisfy entrance requirements may select from the courses offered in this College.

Those who have finished plane trigonometry may also enter for advanced courses and, if they wish to become candidates for a degree, may make up deficiencies in entrance requirements in the Normal School.

Ambitious students who have finished the eighth grade may select from the following:

Name of Courses	Nature of Work	†Hours per Week	
Auto Mechanics	Practical Maintenance and Repair of Motor Vehicles	3	0
Forge Ia	Blacksmithing	3	0
Machine Shop	Use of Machine Tools	6	0
Mechanical Drawing	The Use of Ordinary Drawing Instruments	4	4
Elementary Wood Carving	Furniture Construction	0	6
Woodworking	Carpentry and Wood Turning	6	0

†The first column gives the hours per week for the first semester, the second column the hours per week for the second semester.

COLLEGE OF LAW

Men who cannot satisfy the entrance requirements will be admitted as adult specials.

TEACHERS COLLEGE AND NORMAL SCHOOL

Men who can satisfy the entrance requirements may select courses preparing for teaching Agriculture, Trades and Industries, or the usual high-school subjects; others, if they have finished the eighth grade, may enter upon courses preparing for teaching in elementary schools.

GENERAL EXTENSION DIVISION

BERT CLAIR RILEY, *Director*

FACULTY.—Ella M. Allison, Mary Ellen Foley, Julia Annette Keeler, Alice L. Allison, Cedora Futch, Madelaine E. Williams, Pansy Manchester, J. Rex Farrior, Ralph E. Callahan, Paul T. Manchester, J. R. Leonard.

SPECIAL LECTURERS AND INSTRUCTORS.—S. A. Fletcher, H. P. Rosbro, J. A. Ormond, L. C. Adelson, O. I. Woodley, Mrs. Joseph Roemer.

Regular Faculties of University of Florida and State College cooperate.

The General Extension Division carries on extension activities for the Colleges of Arts and Sciences, Education, Engineering, and Law of the University, and the College of Arts and Sciences and the Schools of Education, Physical Education, and Music of the State College for Women. The work has been divided into four departments:

I. Extension Teaching.
II. Public Welfare.
III. Instruction by Lectures and Public Discussion.
IV. General Information.

EXTENSION TEACHING

The Extension Teaching Department has been designed to give to all who cannot attend the University or College an opportunity to get instruction which may be a help and pleasure to them. This work is carried on thru (1) correspondence, (2) class, and (3) club study.

CORRESPONDENCE.—Correspondence study offers to everyone an excellent opportunity to advance in his vocation, obtain a degree, or to take courses for culture.

Review courses for teachers, high-school work for students in rural communities, college work for busy men and women, special vocational and trade courses for those who wish to advance in their line of work, and reading courses for those on the farm, in the shop, office, and home are offered. Many courses are given by the University thru the Colleges of Arts and Sciences, Education, Engineering, and Law; while special work is given in Journalism and Business. At the College for

Women, the College of Arts and Sciences and the Schools of Education, Physical Culture, and Music also offer correspondence courses.

CLASS.—Wherever possible, extension classes in technical or cultural subjects will be organized. The work will be supervised by faculty members of the University or of the State College for Women.

CLUB.—Thru club-study associated groups of people are given an opportunity to study and to keep in touch with the latest thought on cultural and professional subjects. A definite plan for cooperative study under a faculty member is provided.

PUBLIC WELFARE

Thru the Public Welfare Department short courses, community institutes, conferences and surveys will be directed by the General Extension Division. Assistance will also be given to all clubs, societies, public boards, and other agencies working for the public good and community advancement.

SHORT COURSES.—Courses will be conducted at prominent places in the State for the benefit of all citizens.

COMMUNITY INSTITUTES AND CONFERENCES.—Thru conferences, commercial clubs, churches, women's clubs, parent-teachers' associations, and other organizations working toward community betterment will be brought together in order to avoid duplication of effort. Thru the community institute an opportunity will be given to make systematic investigation, to carry on necessary discussion, and to focus the attention of the whole community along the lines most needed to make the home town the best of places in which to live.

SURVEYS.—Plans are under way for conducting surveys, along lines most needed, in different parts of the State. From these, it is hoped, much valuable information will be made available.

INSTRUCTION BY LECTURES AND PUBLIC DISCUSSION

Since the mass of our citizens must get much of their instruction and information and must formulate their opinions on present-day questions concerning the community, state, and nation thru lectures and public discussion, a lecture bureau is maintained by the Division and every effort is made to en-

courage people to get together in a community forum, in order that a majority decision may be reached and action may be taken.

LECTURE BUREAU.—The University offers thru this Bureau lectures by prominent citizens, faculty members, and speakers from other universities and states. These lectures are technical, informational, or inspirational in character. When ample notification is given, speakers will be furnished to women's clubs, commercial clubs, for teachers' institutes, commencement addresses, and other special occasions.

It is hoped that in another year the Division can act as a clearing-house for lecture-course talent, thus enabling communities to secure this additional feature at cost.

PUBLIC DISCUSSION BUREAU.—To assist in the development of the community forum material will be lent on current questions and present-day problems and suggestions will be given for organization and program building.

GENERAL INFORMATION AND SERVICE

In addition to disseminating the stores of information obtainable thru the faculties of the University of Florida and of the State College for Women, the General Extension Division will otherwise help individuals and communities solve their present-day problems.

Every effective means of assisting the people will be employed. Under this Department are found (1) the Bureau of Public Information, (2) the School and Community Center Bureau, (3) the Bureau of Visual Instruction, and (4) the Educational Information Bureau.

Bureau of Public Information.—This Bureau will, in answer to reasonable requests for help on any problem confronting the individual or community, act as a clearing-house for all kinds of information.

School and Community Center Bureau.—This Bureau assists citizens and organizations who realize the value and necessity of developing the school house or some other central place of meeting as a Community Center and of offering the proper kind of play and recreation for children of all ages as well as adults.

The services of a specialist for advice on public recreation and playground equipment is offered free to interested com-

munities and teachers, and others are given every necessary help in becoming local leaders.

Aid is given in putting on community programs. Plays, recitations and pageants are lent to societies, clubs and schools. Leaders are also lent books on new games and story books for children of all grades. Teachers are furnished educational magazines of value to them in their profession. Talking machine records in sets making up complete programs, accompanied by lecture material, will be furnished to farmers' clubs, women's organizations, churches and schools.

Visual Instruction Bureau.—Instruction thru the medium of the eye is known to be one of the most effective ways of reaching many people; therefore, by cooperating with the large corporations, bureaus, and departments of the United States Government, the General Extension Division can supply clubs, schools, and communities with slides and motion-picture reels for instruction and entertainment. Lecture outlines accompany the slides.

Educational Information Bureau.—Thru this Bureau questions concerning school problems will be answered and special effort will be made to render service to officials seeking information on school buildings and equipment by furnishing data concerning work done and results obtained by the various communities in the State. The Bureau will not make suggestions, but will act merely as a clearing-house for information furnished by the schoolmen of the State for the benefit of others.

Address all communications to the Director, General Extension Division, University of Florida.

REGISTER

DEGREES AND CERTIFICATES

MAY 30, 1922

IN COURSE

Master of Arts

Hua, Hsiu Sheng, A.B. (Missouri) ..... Tunghai, Yunnan, China

Civil Engineer

Thrasher, Leon Brooks, B.S.C.E., 1913 ..... Micanopy, Fla.
White, David Lindsay, B.S.C.E., 1914 ..... Natchez, Miss.

Juris Doctor

Carpenter, Archer Eugene, A.B. ..... Orlando, Fla.
Crofton, Lemuel Curtis, A.B. Ed. ..... Chipley, Fla.
Terry, Royall Perkins, A.B. ..... Jacksonville, Fla.

Bachelor of Arts

Ball, Lee Hampton ..... Tampa, Fla.
Duckworth, Robert Eugene ..... Orlando, Fla.
Earnest, Robert Lee, Jr. ..... Palatka, Fla.
Klock, James Harold ..... Orlando, Fla.
Merrin, James Frank ..... Plant City, Fla.
Milam, George Walton ..... Jacksonville, Fla.
Raa, Bertel Nelson ..... Tallahassee, Fla.
Regero, Anthony ..... Kissimmee, Fla.
Sale, Thomas ..... Jacksonville, Fla.
Stein, Maurice ..... Tampa, Fla.
Winter, Thurston Philip ..... Oakland, Fla.

Bachelor of Arts in Education

McLane, Eldridge Franklin ..... Greensboro, Fla.
Simmons, Glenn Ballard ..... Ponce de Leon, Fla.
Slaughter, Henry Belt ..... Gainesville, Fla.
Tolbert, Horace Lamar ..... Ft. White, Fla.
Wells, Joel Reaves, Jr. ..... Panama City, Fla.
Walker, Judson Buron ..... Baker, Fla.

Bachelor of Science

Crago, Arthur ..... Ocala, Fla.
Massey, Herbert Stockton ..... Dade City, Fla.
Morgan, Charles Edgar ..... Miami, Fla.

Bachelor of Science in Agriculture

Chatham, Robert Foster ..... Arcadia, Fla.
Edmunds, Henry Reed ..... Farmville, Va.
Ellsworth, Lloyd Hayden ..... Dade City, Fla.
Link, Carl Temple ..... Orlando, Fla.
McBride, William Harry ..... Seville, Fla.
Richbourg, Lance Clayton ..... Crestview, Fla.
Sherman, John Scott ..... Miami, Fla.
Tillman, Walter Morris ..... Lake Wales, Fla.
Walker, Clifford Levi ..... Sanford, Fla.

Bachelor of Science in Education

Hamon, Ray Laforest.....Gainesville, Fla.
Howard, Homer.....Sarasota, Fla.
Johnson, Henry Cecil.....Holt, Fla.
McClendon, George Miles.....Gainesville, Fla.
O'Bryant, Horace.....Oxford, Fla.
Williams, DeWitt Everett.....Williston, Fla.
Work, Arthur Lee.....DeFuniak Springs, Fla.

Bachelor of Science in Agricultural Education

Cooper, Ruby Floyd.....Gainesville, Fla.
Odom, Emery Sharon.....Munson, Fla.
Williams, John Franklin, Jr.....Monticello, Fla.
Yates, Walter Scott.....Gainesville, Fla.

Bachelor of Science in Civil Engineering

Leisher, Daniel Ley.....Wabasso, Fla.
Solle, Arthur Neyle.....Jacksonville, Fla.

Bachelor of Science in Electrical Engineering

Almond, John Dixie.....Fort Pierce, Fla.
Boswell, Eric Russell.....Inverness, Fla.
Cooper, Nelson Drennen.....Jacksonville, Fla.
DeWolf, Anson Borden.....Crescent City, Fla.
Hogarth, Leeson Arthur.....Stuart, Fla.
Redman, Russell Paul.....Fort Lauderdale, Fla.
Thomas, Clarence Strouse.....Gainesville, Fla.

Bachelor of Science in Mechanical Engineering

Atkisson, Robert Drummond.....Crescent City, Fla.

Bachelor of Laws

Alderman, James Mitchel.....Bradentown, Fla.
Bivens, William James.....Tampa, Fla.
Carlton, Tullie Hoyt.....Gainesville, Fla.
Caro, Albert Reed.....Pensacola, Fla.
Carter, John Hardin, Jr.....Marianna, Fla.
Catts, Sidney Johnston, Jr.....Gainesville, Fla.
Clark, Joseph Stanton.....Gainesville, Fla.
Fleming, Edward Erasmus.....Milton, Fla.
Gleason, William Lansing.....Eau Gallie, Fla.
Gray, George Wayne.....Orlando, Fla.
Green, Causey Sijesmond.....Pomona, Fla.
Green, Edward Badger.....Ocala, Fla.
Holland, Hurley Washington.....Pensacola, Fla.
Keen, James Velma.....Marianna, Fla.
Lohmeyer, Charles Rudolph.....Jacksonville, Fla.
McKillop, Ian Hart.....Homeland, Fla.
Rosenhouse, Moses Harry.....Milton, Fla.
Scruggs, Sigsbee Lee.....Aucilla, Fla.
Thompson, William Earl.....Tampa, Fla.
Thornton, Burwell.....Ormond Beach, Fla.

Graduate in Farming

Baker, Milledge Alpheus.....O'Brien, Fla.

Certificate, Two-Year Course in Agriculture

Juve, Raynold Henry.....Vero, Fla.
Richardson, LeRoy Leak.....Evinston, Fla.

Certificate, One-Year Course in Agriculture

Gaskill, John Eugene.....Tampa, Fla.
Lau, Paul Edward.....Detroit, Mich.
Strom, Samuel Maxwell.....Juniper, Fla.

AUGUST 9, 1922

Master of Arts in Education

Goulding, Robert Lee, A.B. Ed.....New Smyrna, Fla.

Bachelor of Arts in Education

Armstrong, Noble Boyd.....Lake Butler, Fla.
Gray, Leon Archie.....Hinson, Fla.
Hamilton, George Creary.....Pace, Fla.
Haseltine, Hubert Arthur.....Tampa, Fla.
Hughes, Randall Hubert.....Ponce de Leon, Fla.
McKay, Glenn Elisha.....Sanford, Fla.
Moyer, Martin Hartwell.....Fort White, Fla.
Peaden, Porter Lee.....Red Rock, Fla.
Thomas, Lacy Glenn.....Baldwin, Fla.

Bachelor of Science in Agriculture

Dyer, William John, Jr.....West Palm Beach, Fla.

Bachelor of Science in Education

Sweeney, Paul Jones.....New Castle, Penna.

Bachelor of Science in Agricultural Education

McArthur, James Neville.....Brewster, Fla.
Peacock, Avon Jackson.....Plant City, Fla.

Normal Diploma

Carter, Edith.....Dade City, Fla.
Stephens, Mrs. Mamie Rencher.....Apopka, Fla.

MAY 30, 1922

Commission as Second Lieutenant, Infantry, U. S. A. R. C.

Blume, James Victor.....Live Oak, Fla.
Hiatt, Clifford Roswell.....Gainesville, Fla.
Milam, George Walton.....Jacksonville, Fla.
Morgan, Charles Edgar.....Miami, Fla.
Pipkin, Bunyan.....Safety Harbor, Fla.
Scott, Ivan Walter.....Dunkirk, New York
Williams, DeWitt Everett.....Williston, Fla.

Certificate in Lieu of Commission

DeWolf, Anson Borden.....Crescent City, Fla.
Ferguson, Thomas Sherod.....Lake City, Fla.
Redman, Russell Paul.....Ft. Lauderdale, Fla.

PHI KAPPA PHI HONOR SOCIETY

1921-1922

Hamon, Ray Laforest.....B.S. Ed.

1922-1923

Abbott, Charles Elliot.....B.S.A.E.
Ames, Burton Weber.....B.S.A.
Bullock, William Jennings.....A.B. Ed.
Byrd, Calhoun Yancey.....LL.B.
Dowdell, Richard Samford.....B.S.A.
Fuller, Henry.....B.S.
Fuller, Landon.....B.S.E.E.
Geiger, Albert James.....B.S.A.
Gillis, Alexander Angus.....B.S.C.E.
Hauser, Charles Roy.....B.S.Ch.E.
Hollinrake, Allan Tolar.....A.B.
Hoskins, Roy Belknap.....A.B.
Jennings, Lester Windsor.....LL.B.
Kilgore, Fred.....B.S.E.E.
King, Walter Russell.....A.B.
McInnis, Sam W.....A.B. Ed.
Marsicano, Ralph Angelo.....LL.B.
Parker, Francis Webb.....A.B.
Prescott, Ford Lewis.....B.S.M.E.
Snuggs, Roland Edward.....M.S.
Stewart, Lloyd Denison.....B.S.A.
Sumpter, Ward Cullin.....M.S.
Thomas, Irvin Grey.....B.S.E.E.
Ward, William Gresham.....LL.B.
Wilson, Horace S.....B.S.A.
Yarnoff, William Jacob.....B.S.C.E.

MEDALS AND PRIZES

Declaimer's Medal.....Carl Wilenski
Junior Oratorical Medal.....Roy B. Hoskins
Senior Oratorical Medal.....William J. Bivens
Faculty Loving Cup.....Marshall Debating Society
Debater's Medals—Edward E. Fleming, John F. Hall, H. C. Johnson, Maurice Stein, J. B. Walker, J. R. Wells, Jr.
Best Senior All-Round Athlete, Loving Cup.....T. H. Carlton

ROLL OF STUDENTS

1922-1923

The abbreviations used are: A. B., A. B. S. S., and B. S., College of Arts and Sciences; Ag., College of Agriculture; Ag. 4-mo., 1-yr., or 2-yr., Four-Month, One-Year, or Two-Year Course, respectively, in Agriculture; E., College of Engineering; Grad., Graduate School; L., College of Law; N., Normal School; Pre-Med., Pre-Medical Course; Sp., Special Student; T., Teachers College; V., Federal Vocational Student.

The numerals indicate the class (1, Freshman; 2, Sophomore; 3, Junior; 4, Senior), except after L., where it denotes the number of years the student has been enrolled in the College of Law.

Name	*Classification*	*Postoffice*	*County or State*
Abbott, Charles Elliott	Ag. 4, T. 4	Ft. Green Springs	Hardee
Abbott, Fred P.	Ag. V.	Gainesville	Alachua
Adamo, Frank Scozzari	Pre-Med. 1	Tampa	Hillsborough
Adams, Charles Grover	Ag. V.	Gainesville	Alachua
Adams, Neal	Ag. V.	Holt	Okaloosa
Adkins, Cephas Joseph	A. & S. Sp.	Gainesville	Alachua
Adkins, Elmer Maynard	B. S. 1	Lake Butler	Union
Albuty, Will	L. 1	Key West	Monroe
Alexander, Jake Shulman	Ag. Sp.	Tampa	Hillsborough
Alexanian, Hrant Stephen	Ag. 1-yr.	Constantinople	Turkey
Allen, Julius Alonzo	A. & S. Sp.	Jacksonville	Duval
Ames, Alvin Austin	A. B. 2	St. Petersburg	Pinellas
Ames, Burton Weber	Ag. 4	Kissimmee	Osceola
Anderson, William Bloxham	Ag. V.	DeFuniak Springs	Walton
Anderson, Chas. Broxton	Ag. V.	Arcadia	DeSoto
Anderson, Claude	B. S. 3	Orlando	Orange
Anderson, Ewing	A. B. 2	Gainesville	Alachua
Anderson, Geo. C., Jr.	Pre-Med. 1	Tampa	Hillsborough
Anderson, James Nesbitt, Jr.	A. B. 2	Gainesville	Alachua
Anderson, William Bert, Jr.,	A. B. 2	Inverness	Citrus
Anderson, William B.	Ag. V.	DeFuniak Springs	Walton
Anderson, William Faris	Pre-Med. 1	Orlando	Orange
Anderson, William Oliver	A. B. 1	Orlando	Orange
Andrews, F. Carson	B. S. 1	Jacksonville	Duval
Andrews, Chester Noah	Ag. V.	Gainesville	Alachua
Arnold, William Howell, Jr.,	E. 3	Eustis	Lake
Arnold, William Powell	Ag. V.	Cairo	Georgia
Ashby, Charles Aylett, Jr.	A. B. 1	Jacksonville	Duval
Ashmore, Guy Errington	E. 1	Gainesville	Alachua
Ashmore, Jack Pearce	Pre-Med. 2	Ben Haden	Wakulla
Asman, Harold	Pre-Med. 2	St. Petersburg	Pinellas
Atanasoff, John Vincent	E. 2	Bradley Junction	Polk
Atkinson, Jas. Cloyd	A. & S. Sp.	Gainesville	Alachua
Austin, Connie, Jr.	A. S. Sp. 1	Birmingham	Alabama
Avera, John Byron	Pre-Med. 3	Gainesville	Alachua
Averett, Harvie Harris	A. B. 1	Tampa	Hillsborough
Ayers, Ed. Lee	Grad.	Gainesville	Alachua
Babers, Frank Hubert	B. S. Sp. 1	Gainesville	Alachua
Babson, John Capron	E. 3	Atlantic Beach	Duval
Baird, Donald James	A. B. 1	Jacksonville	Duval
Baker, Milledge Alpheus	Ag. 3	O'Brien	Suwanee
Balfour, Ronald McEwan	Ad. Sp. 1	Orlando	Orange
Ball, James Andrew, Jr.	E. 1	Tallahassee	Leon
Bange, Fred Ports	A. & S. Sp.	Jacksonville	Duval
Barber, Geo. Curtis	A. B. 2	Sanford	Seminole
Barchan, Joe	L. 1	Jacksonville	Duval
Barnes, Charles Olin	A. B. S. S. 1	Plant City	Hillsborough
Barnes, James	Ag. V.	Pensacola	Escambia
Barnhill, Wm. Benjamin	Ag. V. Sp.	Gainesville	Alachua
Barrow, Walker George	V. 2	Crestview	Okaloosa
Barrs, John Murdock	L. 1	Jacksonville	Duval
Bartleson, Fred Durant	B. S. 1	Ft. Myers	Lee

Name	Classification	Postoffice	County or State
Bartlett, Neill Burt	Ad. Sp.	St. Cloud	Osceola
Basch, Albert Curtis	A. B. 1	Hopkins	Brevard
Batchelder, Ivan Cobb	A. B. S. S. 2	St. Petersburg	Pinellas
Bateman, Brooks Wakefield	Ag. 1	Macintosh	Marion
Baya, George James	L. 3	Jacksonville	Duval
Bearss, Clyde Ivan	E. 3	Tampa	Hillsborough
Beasley, Augustus Earl	L. 2	Starke	Bradford
Beaty, Edward Paul	L. 1	Jennings	Hamilton
Beck, Alfred Herman	E. V. Sp.	Gainesville	Alachua
Bee, Gerald Herbert	A. B. S. S. 2	Sebring	Highlands
Beer, Frank Jr.	L. 1	Gainesville	Alachua
Beers, Frank Ray	B. S. Sp. 1	St. Petersburg	Pinellas
Behrens, Herbert Edward	E. 1	Quincy	Gadsden
Benbow, Richard Porter	Ag. Sp. 2-yr.	Orlando	Orange
Benefield, Earney	Ag. V.	Milltown	Georgia
Benford, Sam Jeff	Ag. V.	Macon	Georgia
Benjamin, Laurence Elmer	Ad. Sp. 3	Gainesville	Alachua
Bentley, Ernest Ellis	E. 2	Orange Park	Clay
Berg, Orville Marion	B. S. 4	Arcadia	DeSoto
Berlack, Burton Francis	Ag. 1	Jacksonville	Duval
Bernheim, Oren William	A. B. S. S. 1	St. Augustine	St. Johns
Berrey, Richard Shell	B. S. 1	Tampa	Hillsborough
Bethea, John Roland	Ag. 1	Montverde	Lake
Bett, Herbert Marion	Ag. V.	Gainesville	Alachua
Beugnot, John Tresslar	E. V.	Sebastian	St. Lucie
Beyer, Adolph Harvey	Grad.	Gainesville	Alachua
Bice, Lorin Tresslar	A. B. S. S. 1	Winter Haven	Polk
Bie, Osmond Reimert	L. 2	Tampa	Hillsborough
Bien, Max Robert	L. 1	Tallahassee	Leon
Bishop, George Leonard	E. V.	Pensacola	Escambia
Bishop, James Barco	A. B. S. S. 1	Gainesville	Alachua
Bishop, Preston Robinson	Ag. 1	Dunedin	Pinellas
Black, Arthur Keith	B. S. 1	Lake City	Columbia
Black, Claude B.	B. S. 2	Minneola	Lake
Black, Hal N.	A. B. 1	Gainesville	Alachua
Blackburn, Luther Levyron	Grad.	Gainesville	Alachua
Blackburn, Wm. John, Jr.	L. 1	Buffalo	New York
Blake, Edgar S.	E. 3	Chipley	Washington
Blake, Julian A.	L. 3	Jacksonville	Duval
Blake, Hawley Dempsey	B. S. 2	Tampa	Hillsborough
Blatt, John Fredrick, Jr.	E. 3	Gainesville	Alachua
Bliss, Charles Earle, Jr.	E. 1	Tallahassee	Leon
Blitch, Clifford Gordon	Pre-Med. 1	Raiford	Union
Blume, James Victor	Ag. 2	Live Oak	Suwanee
Bogue, Lincoln Chapman	L. 1	St. Petersburg	Pinellas
Bond, John Sanford, Jr.	A. B. S. S. 1	Jacksonville	Duval
Boney, Ceacle DeWitt	Pre-Med. 1	Wauchula	Hardee
Bonner, Russell Moses	V. Ag.	Chicago	Illinois
Bonsteel, Louis Spencer, Jr.	A. B. 1	Miami	Dade
Boone, Daniel Augustus	Ag. V.	Larkins	Dade
Booth, David Esteen	E. 3	St. Petersburg	Pinellas
Booth, Donald Carr	E. 1	Miami	Dade
Booth, William Ford	Ag. V.	Audubon	Brevard
Booth, William L.	E. V.	Millville	Bay
Bossert, Charles R.	B. S. 1	Delray	Palm Beach
Bostwick, Wm. Morean	E. 4	Jacksonville	Duval
Boswell, Clarence A., Jr.	L. 3	Bartow	Polk
Bosworth, Wellington, Geo.	Ag. 1-yr.	Micco	Brevard
Bouchelle, Louis Browne, Jr.	A. B. 1	New Smyrna	Volusia
Boucher, Faux Martin	Ag. 1-yr.	Beaverdale	Pennsylvania
Bowen, Floyd B.	A. B. 2	Chipley	Washington
Bowen, Reeves	L. 1	Chipley	Washington

Name	Classification	Postoffice	County or State
Bowman, John Henry	L. 1	Coronado	Volusia
Bowyer, Egbert Napoleon	L. 3	Lakeland	Polk
Boyce, Eldon LeRoy	L. 1	Lake Worth	Palm Beach
Boyd, Charles Fort	Pre-Med. 1	Jacksonville	Duval
Boyd, Charles Wilson	B. S. 3	Jacksonville	Duval
Boyd, James Robert, Jr.	L. 2	Jacksonville	Duval
Boyd, John Mann	B. S. 1	Clermont	Lake
Boyd, Thomas McMicheal	Ag. 2-yr.	Eagle Lake	Polk
Bracken, Howard Milton	Ag. 2	Gainesville	Alachua
Braddock, Elbert Clayton	Ag. 2	Crescent City	Putnam
Braddock, Heyward M.	A. & S. Sp.	Crescent City	Putnam
Bradshaw, Virgil Marlow	B. S. 4	San Antonio	Pasco
Branch, James Howell	B. S. 1	Maury City	Tennessee
Brash, Victor Gerard	E. 2	Tampa	Hillsborough
Bratley, Cyril Oliver	Ag. 2	Miami	Dade
Bresth, Alexander	L. 1	Gainesville	Alachua
Bridges, Wallace Townsend	Ag. V.	Groveland	Lake
Briggs, Gerald Brewer	E. 1	Zephyrhills	Pasco
Brinson, Paul Hardee	L. 2	Gainesville	Alachua
Bristol, Loris Rood	A. & S. Sp.	Gainesville	Alachua
Bristow, Albert George	Ag. V.	Larkins	Dade
Britt, Jesse Benjamin	Ag. V.	Gainesville	Alachua
Brittain, Kingman Mercer	B. S. 2	Jacksonville	Duval
Brobston, Albert Wiley	Ag. 1	Ortega	Duval
Brobston, William Edwin	L. Sp.	Ortega	Duval
Brooker, Marvin Adel	Ag. 1	Bell,	Alachua
Brooks, George Gray, Jr.	A. B. 1	Key West	Monroe
Brown, Anthony Waters	N. 1	Gainesville	Alachua
Brown, Asa Darrell	E. 2	Lynn Haven	Bay
Brown, Cornelius Jackson	Ag. V.	Bluff Springs	Escambia
Brown, Herbert Clifton	B. S. 3	Lawtey	Bradford
Brown, Jesse Colvin	T. 4	Gainesville	Alachua
Brown, Louis Dewitt	E. 1	South Jacksonville	Duval
Brown, Richard Knowlton	A. B. S. S. 1	Jacksonville	Duval
Brumby, James Remley	A. B. 2	Seminole	Pinellas
Brumley, Frank Warner	Ag. 1	Gainesville	Alachua
Bucha, Henry Carl	Ag. 1	Glenwood	Volusia
Buckley, Rolf Kennard	Ag. 2	Palatka	Putnam
Buie, Francis Inman	A. B. S. S. 1	Lake City	Columbia
Bullock, William Jennings	T. 4	Nocatee	DeSoto
Bunnell, Maurice Frank	E. 4	Orlando	Orange
Burbridge, Henry Clinton	A. B. 1	Jacksonville	Duval
Burnett, Herman	Ag. 1	Bradentown	Manatee
Burnett, Richard Henry	L. 1	Wilmington,	North Carolina
Burnett, Milton Wilson	N. 1	Bradentown	Manatee
Burr, Richard Temple	Ag. 2	Arch Creek	Dade
Burr, Raymond Orlando,	Pre-Med. 1, L. 2	Tallahassee	Leon
Burritt, Robert Harrold	A. B. S. S. 1	Jacksonville	Duval
Burrows, Stanley Miller	Ag. 1	Cocoanut Grove	Dade
Burton, Benjamin Screvan	E. 1	Leesburg	Lake
Busbee, Edgar Burton	A. B. 3	Williston	Levy
Busbee, Harley Mack	E. V.	Laurel Hill	Walton
Busbee, James Walker	Ag. V.	Laurel Hill	Walton
Butler, Edward B.	E. V.	Zolfo	Hardee
Butler, Hiram Stanford	Ag. V.	Shelton	Dixie
Butler, Leo Madison	E. 3	Clearwater	Pinellas
Buttice, Gaetano	Pre-Med. 1	Tampa	Hillsborough
Butts, Joseph Shirey	B. S. 1	Dade City	Pasco
Byrd, Calhoun Yancy	L. 3	Live Oak	Suwanee
Byrd, John Curtis	L. 2	Tallahassee	Leon
Byrd, Wallace	A. B. 2	Miami	Dade
Calhoun, George Arthur	E. 4	Pensacola	Escambia

Name	Classification	Postoffice	County or State
Camp, John Perlin	Ag. 1	Okeechobee	Okeechobee
Campbell, Byron Fred	N. 2	Hilliard	Nassau
Campbell, Francis Daniel	A. B. 1	Chipley	Washington
Campbell, John Baxter	A. B. 1	Quincy	Gadsden
Campbell, Monroe, Jr.,	A. B. 1	Pensacola	Escambia
Campbell, Morris Taylor	Ag. 2	Largo	Pinellas
Canon, Job Baughman	L. Sp.	Gainesville	Alachua
Canova, Paul E.	L. 1	Starke	Bradford
Caplinger, Harold Stanton	A. B. 1	Doctor's Inlet	Clay
Carbonell, Cecil Eugene	L. Sp.	Key West	Monroe
Carey, Benjamin Edward	L. 1	Key West	Monroe
Cargell, Robert Monroe	Pre-Med. 2	St. Petersburg	Pinellas
Carlton, Archibald Charles	Ag. V.	Cypress	Jackson
Carlton, Robert Arthur	Ag. 2	Knights	Hillsborough
Caro, Albert Reed	A. & S. Sp.	Pensacola	Escambia
Carroll, Bryant S.	Pre-Med. 2	Winterville	North Carolina
Carter, Egerton E.	E. 1	Vero	St. Lucie
Carter, Thomas Franklin	B. S. 1	Maury City	Tennessee
Carter, William LaFayette	A. B. 1	Waukeenah	Jefferson
Case, Lawrence C.	L. 1	St. Augustine	St. Johns
Cash, Henry Albert	A. B. S. S. 1	Tampa	Hillsborough
Cason, Albert Basil	Sp. B. S.	Des Moines	Iowa
Cason, Edward Brannon	L. 1 V.	St. Petersburg	Pinellas
Cason, James Hardee, Jr.	A. B. S. S. 1	Worthington	Union
Cassels, William Lawson	E. 1	Palatka	Putnam
Cassety, Charles Keil	Ag. 1	Buffalo	New York
Cassida, Neil Carl	Ag. V.	Portland	Walton
Caton, Harry Oscar	Ag. V.	Gainesville	Alachua
Cavender, Homer Leland	E. 2	Charleston	West Virginia
Chadwick, Austin Winnard, Jr.	L. 3	St. Augustine	St. Johns
Chaffin, Jeff	Grad.	Gainesville	Alachua
Chamberlin, Frank Brittain	Ag. 1-yr.	St. Petersburg	Pinellas
Chamberlin, William Orr	Ag. 1-yr.	St. Petersburg	Pinellas
Champlin, Ralph	A. & S. Sp.	Jacksonville	Duval
Chance, Staten Hardee	Pre-Med. 1	Wauchula	Hardee
Chellberg, David G. Alfred	Ag. V.	Worcester	Massachusetts
Chillingworth, Richard Curtis	L. 1	West Palm Beach	Palm Beach
Chitty, Howell Bascom	L. 1	Caryville	Washington
Christie, John Norton	E. 1	Jacksonville	Duval
Christy, Charles Negley	L. 1	Tarentum	Pennsylvania
Clapp, Eldridge Andrew	Ag. 1-yr.	Orlando	Orange
Clark, George Costello	Ag. V.	Orlando	Orange
Clark, James Patrick	L. 2	St. Petersburg	Pinellas
Clarke, Chas. Elbert, Jr.	A. & S. Sp.	Jacksonville	Duval
Clarke, Christopher Lee	A. & S. Sp.	Tampa	Hillsborough
Clark, Robert Wilson	Ag. 1	Wall Springs	Pinellas
Clarke, Jere Inman Jones	A. B. 1	Jacksonville	Duval
Clarke, Thomas Lee	A. B. 2	Monticello	Jefferson
Clayton, Erwin Americus	T. 3	Aucilla	Jefferson
Clegg, George Richard	T. 2	Inverness	Citrus
Clement, Alfred Duke	E. 1	Bartow	Polk
Cleveland, Wilburn Augustan	A. B. 1	Jacksonville	Duval
Clifton, James W.	V. Ag.	Tifton	Georgia
Clonts, Arthur Reese	L. 1	Lakeland	Polk
Clough, Charles Evans	Pre-Med. 1	Jacksonville	Duval
Clower, Clifford	Ag. V.	Brownville	Texas
Clyatt, Frank Howard	E. Sp.	Micanopy	Alachua
Clyatt, Orlando Samuel	L. 1	Trenton	Alachua
Clyatt, Samuel	Ag. V.	Chiefland	Levy
Coachman, William Moore	Ag. V.	Miami Beach	Dade
Cobb, Lawrence H.	E. 4	Milton	Santa Rosa
Cobb, Otis Milton	L. 2	Sanford	Seminole

Name	Classification	Postoffice	County or State
Cobb, Samuel Exum, Jr.	B. S. 1	Tallahassee	Leon
Cochran, Emory Wright	A. B. S. S. 1	Camilla	Georgia
Cody, Willis Judson	B. S. 3	Crooked Lake	Polk
Coe, Albert Bayston	E. 2	Miami	Dade
Coe, Arthur Russell	A. B. 2	Miami	Dade
Coe, George Walker	B. S. 1	St. Augustine	St. Johns
Cohen, Murray Sceidman	L. 1	Miami	Dade
Coleman, Raymond Vorhees	E. 2	Plant City	Hillsborough
Collins, Crenshaw Caleb	Ag. 3	Bartow	Polk
Collins, Robert Trawell	L. 1	Umatilla	
Collins, Thos. Julian	A. & S. Sp.	St. Petersburg	Pinellas
Comerford, Wesley	Ag. V.	Cypress	Jackson
Connell, Henry Lewis	E. 2	Inverness	Citrus
Connor, James Elliott	T. 1	Inverness	Citrus
Conroy, Francis Philip	A. & S. Sp.	Jacksonville	Duval
Cook, Charles Edward	E. 4	Newberry	Alachua
Cook, Joseph Vitzelio	E. 3	Key West	Monroe
Cooper, Charles Edward	E. V.	Key West	Monroe
Cooper, Wayne Albert	B. S. Sp.	Orlando	Orange
Copeland, Bryson Joseph	B. S. 1	Tampa	Hillsborough
Copp, George Joseph	Ag. V.	Gainesville	Alachua
Corey, Joseph Preston	A. & S. Sp.	Winterville	North Carolina
Cornwall, Samuel Clarence	Sp. 1	Jacksonville	Duval
Cotter, Walter Henderson	E. 2	Tampa	Hillsborough
Cox, George Oliver	Ag. Sp. 1	Rockledge	Brevard
Cox, John O'Neal	L. 1	Gainesville	Alachua
Crain, Horace Bruce	A. B. 1	Orlando	Orange
Crain, Roy Moore	A. B. 1	Orlando	Orange
Cramer, Arthur Kelley	Ag. Sp. 2-yr.	Winter Haven	Polk
Cramer, Henry Francis	T. 2	Ocala	Marion
Crandall, Asbury Hornaday	L. 1	Buffalo	New York
Crane, Dwight William	B. S. 2	Jacksonville	Duval
Crane, Olin Lianate, Jr.	Ag. V.	Gainesville	Alachua
Crawford, Hugh L., Jr.	Pre-Med 2	Jacksonville	Duval
Creary, Harry Lee	L. 2	Gainesville	Alachua
Creech, Silas Morton	A. B. 1	Ritta	Palm Beach
Crews, Wm. Arlie	Ag. V. 2	Gainesville	Alachua
Crippen, Harry Cameron	Ag. 4-mo.	Sanford	Seminole
Crow, Byron	Ag. V.	DeLand	Volusia
Crom, Frank Russell	E. Sp. 2	Gainesville	Alachua
Crowley, William Jasper	Ag. 3	Miaka	Sarasota
Crown, Raymond Merchant	Ag. 2	Gainesville	Alachua
Crum, Ralph Lovic	A. B. 1	Plant City	Hillsborough
Crutchfield, Wm. Mallie	Ag. V. 2	Graceville	Jackson
Culbreath, James Claude	Ag. V. 1	Jennings	Hamilton
Cunningham, Roy Louis	B. S. 1	Summitville	Indiana
Cureton, Chalmers Carmichael	L. 1	Miami	Dade
Cureton, Russell Porter	Pre-Med. 1	Miami	Dade
Curry, Ceicil Chester	L. 1	Miami	Dade
Curtis, Gilbert	E. 4	Tampa	Hillsborough
Cushman, Lucius Jarvis	L. 1	Miami	Dade
Cutts, Dock	Ag. V.	Cairo	Georgia
Dalton, Joseph William	L. 1	Tampa	Hillsborough
Daniel, Homer Dermot	L. 1	Chuluota	Seminole
Daniel, Wiley Raymond	B. S. 1	Tarpon Springs	Pinellas
Daniels, James Palace	Pre-Med. 2	Pensacola	Escambia
Danison, Robert	E. 3	St. Petersburg	Pinellas
Dann, Charles Whitfield, Jr.	A. B. 1	Miami	Dade
Davidson, Jack Chambliss	A. B. 1	Leesburg	Lake
Davies, Clyde Thompson	A. B. 3	Gainesville	Alachua
Davis, Albert Heyward	A. B. S. S. 1	Gainesville	Alachua
Davis, Jack Alexander	B. S. 2	Quincy	Gadsden

Name	Classification	Postoffice	County or State
Davis, Joe Bryant	Ag. V. 1	Chiefland	Levy
Davis, Orville Rhoades	Ag. 3	Miami	Dade
Davis, Thenton Lowell	E. 1	Bartow	Polk
Davis, Robert Wendell	Ag. V. 2	DeFuniak Springs	Walton
Davis, William Morton	Ag. 3	Wauchula	Hardee
Davis, William Turner	L. 2	Madison	Madison
Decker, William Herbert	T. 1	Nueva Gerona	Isle of Pines
Dehon, Arthur Laurence	Pre-Med. 2	St. Petersburg	Pinellas
Delegal, Waver Edward	Ag. Sp. 2	Live Oak	Suwanee
Dempsey, Lucius	E. 1	Branford	Lafayette
Denicke, Parker Augustine	E. 1	Miami	Dade
DePamphillis, Arnaldo Henry	T. 1	St. Augustine	St. Johns
Dettre, Rexford Herbert	Ag. Sp. 2	Bradentown	Manatee
Dickey, Joseph Benjamin	E. 2	Auburndale	Polk
Dickinson, John	A. B. S. S. 1	Jacksonville	Duval
Dickson, Ray C.	T. 4	Gainesville	Alachua
Dillon, Joe Vernon	L. 1	Miami	Dade
Disbennett, David Irwin	E. 2	New Smyrna	Volusia
Dodson, Charles Lewis	T. 2	Gainesville	Alachua
Doss, William Denver	A. B. 1	Hinson	Gadsden
Doty, Arthur E.	L. 1	Gainesville	Alachua
Dowdell, Richard Samford	Ag. 4 & T.	Wimauma	Hillsborough
Doyle, Clarence Levi	Ag. V. 2	Jacksonville	Duval
Drake, Charles William	L. 1	Ft. Lauderdale	Broward
Driggers, Vaughn Wendall	Ag. 2	Bowling Green	Hardee
Drummond, James Herbert	T. 1	St. Andrews	Bay
DuBois, William Henry	A. B. Sp. 2	St. Augustine	St. Johns
Duncan, Charles Edwin	L. 3	Tavares	Lake
Duncan, Ferdinand Henry	L. 2	Pensacola	Escambia
Duncan, Forrest Banks	E. 1	Tavares	Lake
Duncan, Kasper Green	T. 4	Lake Butler	Union
Dunning, Milton Eugene	Ag. V. 2	Gainesville	Alachua
Dupont, Louis E.	Ag. 3	Daytona	Volusia
Durat, Bernard King	E. 3	Gainesville	Alachua
Dyal, Wesley Lawrence	B. S. 1	Sharpe	Brevard
Dyers, Barden McLeod	A. B. 2	West Palm Beach	Palm Beach
DuVall, Wallace Odell	T. 3	Atlanta	Georgia
Earnest, Robert Lee, Jr.	L. 2	Palatka	Putnam
Eaton, Oscar Hardin	Ag. 2-yr.	Lakeland	Polk
Eberlein, Fred Eastman	Ag. 1	Savannah	Georgia
Ebinger, Rollin Jesse	T. 4	Tampa	Hillsborough
Eddy, Byron Lilius	E. 2	Tampa	Hillsborough
Edging, Shiloh Napoleon	Ag. V.	Hillsboro	Tennessee
Edwards, Henry Leitner	L. 1	Kissimmee	Osceola
Edwards, LaMarcus Colquitte	Ag. Sp. 1	Tampa	Hillsborough
Edwards, Thomas Jefferson, Jr.	T. 2	Chattahoochee	Gadsden
Edwins, William Dessassure	L. 1	DeFuniak Springs	Walton
Ekeland, Leif Tarolf	Pre-Med. 3	Lake Wales	Polk
Ellis, Elgar Percy	L. 2	Fort White	Columbia
Elmore, Franklin Harper, Jr.	L. 1	Jacksonville	Duval
Emmert, Paul	L. 2	Bradentown	Manatee
Emmons, Walter Franklin, Jr.	E. 1	St. Petersburg	Pinellas
English, James Daniel	B. S. 1	Alva	Lee
Entz, Allan Lamar	A. B. 2	Leesburg	Lake
Engle, Fred Wm.	Ag. 4-mo.	Lake City	Columbia
Enwright, Parker Francis	L. 2	Garrim	Tennessee
Ervin, Richard Wm., Jr.	A. B. S. S. 1	Tallahassee	Leon
Estes, Jas. Terrell	A. B. S. S. 1	Jacksonville	Duval
Etheridge, Walter E.	L. 3	Tavares	Lake
Etheredge, James Tyre	L. 1	DeSoto City	Highlands
Etzler, Robert Dekle	Ag. 2	Tampa	Hillsborough
Evans, Charles Herbert	E. 1	Marianna	Jackson

Name	Classification		Postoffice	County or State
Evans, William Frank	L.	2	Jacksonville	Duval
Everidge, Frank	Ag. V.		Crestview	Okaloosa
Ewing, James Milton	B. S.	1	West Palm Beach	Palm Beach
Fahs, John Lenard	A. B.	2	Leesburg	Lake
Farnsworth, Francis W.	A. & S. Sp.		Tampa	Hillsborough
Farr, Earl Drayton	L.	3	Wauchula	Hardee
Farr, Latimer Cecil	L.	1	Wauchula	Hardee
Farrior, Jewel Rex	L.	2	Chipley	Washington
Felts, Arthur Gray	B. S.	1	Tampa	Hillsborough
Ferguson, Thos. Sherod	L.	2	Lake City	Columbia
Ferguson, William Brown	E.	2	Daytona	Volusia
Fernald, Horace James	Ag. V. Sp.	4	Wauchula	Hardee
Ferris, George Floyd	E.	4	Jacksonville	Duval
Field, Clarence Edwin	E.	2	Gainesville	Alachua
Field, Newton Rowe	L.	1	Hawesville	Kentucky
Fielder, Elmer	Ag.	1	Garden	Hardee
Fielder, James	Ag.	1	Garden	Hardee
Fielding, James Newton	L.	1	Anthony	Marion
Finman, Benjamin Jack	E.	2	Tampa	Hillsborough
Fisher, John Frank	Ag.	1	Trenton	Levy
Fisher, William Hyde	E.	1	Tampa	Hillsborough
Fitts, William Aylett	E.	1	Sanford	Seminole
Flood, Samuel Fayerweather, Jr.	L.	1	Jacksonville	Duval
Flood, William Edward	E.	1	West Palm Beach	Palm Beach
Fogg, Fred William	Ag. V.		Gainesville	Alachua
Forner, Charles Benjamin	A. B.	1	Dade City	Pasco
Fosseen, Freeman Forest	L.	1	Minneapolis	Minnesota
Fowler, William John	B. S.	1	Jacksonville	Duval
Fox, Edgar Vincent	E.	2	Piedmont	Orange
Fox, William Brooke	Ag. V.	1	Tampa	Hillsborough
Foy, Eugene Thomas	Pre-Med.	2	St. Augustine	St. Johns
Franklin, Paul Grey	E.	4	Ft. Myers	Lee
Frazier, Joseph Wheeler	A. B.	1	Tampa	Hillsborough
Freeman, Oliver Earl	E.	1	Daytona Beach	Volusia
Friedman, Jacob Wolfe	E.	3	Pensacola	Escambia
Fuller, Henry	B. S.	4	Clearwater	Pinellas
Fuller, Landon	E.	4	Clearwater	Pinellas
Fussell, Carroll Wilbur	L.	1	Webster	Sumter
Futch, Earl Graves	A. B.	1	Lakeland	Polk
Futch, Robert Dorsey	B. S.		Lake City	Columbia
Gamble, Burton Leslie, Jr.	Pre-Med.	1	St. Petersburg	Pinellas
Gardner, Earl Anton	E. Sp.	1	Gainesville	Alachua
Gardner, Milton Cook	A. B.	1	Camille	Georgia
Garland, Lawrence Armes	Ag.	2	Plant City	Hillsborough
Gaskin, Shelby Gunn	L.	2	Blountstown	Calhoun
Geiger, Albert James	Ag.	4	Homestead	Dade
Geiger, Thomas Jefferson	Ag.	3	Welborn	Suwanee
Geralds, Jesse Thomas	Ag. V.	2	Horse Cave	Kentucky
Gibbons, Gordon Lorraine	L.	1	Tampa	Hillsborough
Giblin, Creston Aloysius	L.	1	Jacksonville	Duval
Gifford, Wilbur Harrison	Ag. Sp.	1	St. Petersburg	Pinellas
Gilbert, Addison Storr	B. S.	1	Kissimmee	Osceola
Gill, Elam Emory	Ag. V.	2	Bradentown	Manatee
Gillen, Joe Elliott	A. & S.	1	Lake City	Columbia
Gillen, Patrick Henry	T.	3	Ocala	Marion
Giller, Charles	E.	1	Jacksonville	Duval
Gillis, Alexander Angus	E.	4	Ponce De Leon	Holmes
Gilmartin, Wm. H.	L.	1	Tampa	Hillsborough
Gilmer, Harry Vincent	Ag. Sp.	1	Gainesville	Alachua
Gilroy, Robert George	L.	1	Jenkinton	Pennsylvania
Gingras, George Julian	Ag.	1	Rockledge	Brevard
Ginsberg, Joe	T.	1	Daytona	Volusia

Name	Classification	Postoffice	County or State
Givens, Val Wright	Ag. V. 2	Laurel Hill	Okaloosa
Glenn, Holden Lee	Ag. 1	Alturas	Polk
Glenn, Roscoe Eddins	A. B. 1	Miami	Dade
Glickstein, Mas Samuel	E. 2	Jacksonville	Duval
Glover, Manuel Marion	L. 1	Lakeland	Polk
Goethe, Edwin Ellis	Ag. 1-yr.	Jacksonville	Duval
Goethe, James Tillinghost	Ag. V. 1	Jacksonville	Duval
Goggans, Marion Joseph	E. 2	Orlando	Orange
Goldstein, Erving Max	A. B. S. S. 1	Jacksonville	Duval
Gomez, Rogelio	L. Sp.	Key West	Monroe
Gordon, Keith Watt	E. 1	Ft. Lauderdale	Broward
Goudeau, Barbe	Ag. 1-yr.	Lake Charles	Louisiana
Gracy, John Shirley	A. B. 3	Gainesville	Alachua
Grady, George Robert	T. 1	High Springs	Alachua
Graham, Geo. R.	T. 4	Ft. White	Columbia
Graham, John Preston	Pre-Med. 1	Kissimmee	Osceola
Gramling, Wm. Sanders	A. B. 1	Miami	Dade
Granat, Roland Washington	L. 2	Miami Beach	Dade
Gravely, Louis Overton	L. Sp. 2	Fort Meade	Polk
Graves, Hubert	Ag. 1	Quincy	Gadsden
Graves, James Edwin	A. B. S. S. 1	Quincy	Gadsden
Graves, Walter Fritz	Ag. Sp.	Quincy	Gadsden
Gray, Charles Edward	T. 1	Tallahassee	Leon
Gray, Henry Latham, Jr.	L. 2	Gainesville	Alachua
Gray, Wallace West	Pre-Med. 1	Pompano	Broward
Green, George Marvin	A. B. 1	Tampa	Hillsborough
Green, Otis Thatcher	A. B. S. S. 1	Ocala	Marion
Green, Truman Powell	A. B. 3	Tampa	Hillsborough
Greer, J. Wilbur	Grad.	Gainesville	Alachua
Gridley, Chester Gard	L. 1	Umatilla	Lake
Griffin, William Noah	Ag. V.	Chipley	Washington
Griggs, James William	L. Sp.	Lakeland	Polk
Gwerin, Cyril Joseph	L. 1	Harrisburg	Pennsylvania
Gugliuzza, David R.	Ag. V.	Gainesville	Alachua
Guinand, Percy Henry	Pre-Med. 1	Tampa	Hillsborough
Gunn, Errett Fillmore	E. 4	Jacksonville	Duval
Gunn, John Stratton	E. 1	Clearwater	Pinellas
Gunn, Hugh Webb	A. & S. Sp.	Gainesville	Alachua
Gunn, William Dudley	B. S. 1	Pensacola	Escambia
Gunn, William Watts	E. Sp.	Gainesville	Alachua
Gustefson, Seger Dwight	Ag. 1	Bartow	Polk
Guthrie, Milford	E. V.	Green Cove Springs	Clay
Guthrie, Thomas Jefferson	Ag. V.	Green Cove Springs	Clay
Hack, Arthur George	L. Sp.	Waycross	Georgia
Hadlow, Frank Nelson	E. 4	Jacksonville	Duval
Hadlow, Richard Henry	E. 2	Jacksonville	Duval
Hadsock, Frank Fred	Ag. V.	Green Cove Springs	Clay
Hagen, James Layton	N. 1	Hilliard	Nassau
Hagerman, Franklin Randall	Pre-Med. 1	Pensacola	Escambia
Hait, Kenneth Blaisdell	T. 4	Lynn Haven	Bay
Hall, Charles Wesley	N. 2	Gainesville	Alachua
Hall, John Franklin	L. 3	Tallahassee	Leon
Hall, John Vale	B. S. 1	Gainesville	Alachua
Hall, Loris Littleton	A. B. S. S. 1	Lowell	Marion
Hall, William Robert	A. & S. Sp.	Ocala	Marion
Halloway, Ralph Lynn	N. 1	Laughman	Polk
Hamilton, G. Dwight	B. S. Sp. 1	New Smyrna	Volusia
Hamilton, Henry Glenn	Grad.	Gainesville	Alachua
Hamilton, M. F., Jr.	Ag. 1	Humboldt	Tennessee
Hamm, John William	Ag. V.	Trenton	Alachua
Hammer, Harald E.	Ag. 2	Sebring	Highlands
Hancock, Ben Soule, Jr.	L. 1	Pensacola	Escambia

Name	Classification	Postoffice	County or State
Hansbrough, John Herndon	Ag. Sp.	Tampa	Hillsborough
Hanscomb, Paul Clifford	E. 1	Gainesville	Alachua
Hansen, Kenneth Kalmar	A. B. 3	Tallahassee	Leon
Hansen, Thomas	A. & S. Sp.	Newberry	Alachua
Hardaway, Frank Del	B. S. 1 Sp.	Orlando	Orange
Harkness, Robert Baskin	Ag. 2	Lake City	Columbia
Harper, Charles Jackson	Ag. V.	Gainesville	Alachua
Harper, Edward Franklin	E. 2	Tampa	Hillsborough
Harris, Frank Maurice	L. 2	St. Petersburg	Pinellas
Harris, Pete	A. B. 3	Tampa	Hillsborough
Harris, Robert Hamilton	A. B. S. S. 1	Tampa	Hillsborough
Harris, Richard Lonnie	Ag. V.	Gainesville	Alachua
Harrison, William Maurice	Pre-Med. 2	Cottondale	Jackson
Harrod, Kenneth Robert	A. B. 1	Orlando	Orange
Harry, Edward Perin	Ag. 1-yr.	Pompano	Broward
Hart, George Sibery	Ag. V.	Miami	Dade
Hart, Charles Theodore	L. 1	Fort Meade	Polk
Harton, Leon J.	L. Sp.	Daytona Beach	Volusia
Hartridge, Benjamin Dillion	L. 2	Jacksonville	Duval
Hartsfield, Ralph Mayne	A. B. 1	Tallahassee	Leon
Harwell, Henry Lamar	Pre-Med. 1	Orlando	Orange
Hatcher, Fritz	L. 1	Gainesville	Alachua
Hatcher, James Russell	Pre-Med. 1	Jacksonville	Duval
Hauser, Charles Roy	E. 4	Miami	Dade
Hauptman, Oliver Howard	B. S. 2	Zolfo	Hardee
Hawkins, Charles Williams	Ag. V.	Pelham	Georgia
Hazard, John Beach	B. S. 2	Jacksonville	Duval
Heacock, Ford Walker	B. S. 2	Sebring	Highlands
Head, William Pitt	L. Sp.	Jacksonville	Duval
Henderson, William Douglas	E. 1	Tallahassee	Leon
Henderson, William Louis	Ag. V.	Greenwood	Jackson
Hendry, James Winfield	L. 1	Ft. Myers	Lee
Hendry, William Marion	L. 2	Ft. Myers	Lee
Henley, Terrel Davis	A. B. 4	Inverness	Citrus
Henrick, John Joseph	L. 2	Philadelphia	Pennsylvania
Hensan, George Grant	Pre-Med. 1	Little River	Dade
Hensley, Ernest Shelby	A. & S. Sp.	Ocala	Marion
Herb, Charley Benjamin	Ag. V.	Lake City	Columbia
Herrick, Rolland Joseph	E. 1	West Palm Beach	Palm Beach
Hewitt, Oliver William	B. S. 1 Sp.	St. Petersburg	Pinellas
Hiatt, Clifford Rosswell	Ag. 4	Gainesville	Alachua
Hiatt, Wilbur Garland	A. B. 1	Gainesville	Alachua
Hicks, Newman Burton	Ag. V.	Savannah	Georgia
Hicks, Willard R.	Pre-Med. 1	Tallahassee	Leon
Hill, Lawson Edwin	N. 1	Gainesville	Alachua
Hills, Harold William	E. 1	Eagle Lake	Polk
Hills, Paul Williams	E. 2	Panama City	Bay
Hinckley, Elmer Dumond	A. B. 3	Jacksonville	Duval
Hinsen, Murphy Roy	T. 3	Hinson	Gadsden
Hirt, Madison Biggers	Ag. V.	Tallahassee	Leon
Hitchcock, George Randolph	L. 2	Jacksonville	Duval
Hodges, Fleming Moorly	Ag. V.	Chipley	Washington
Hodges, George Henry	E. Sp.	Christmas	Orange
Hodges, Robert Leo	A. B. 2	Orlando	Orange
Hodsdon, Nicholas	B. S. 1	Miami	Dade
Hogan, Thomas Chester	Ag. V.	Otter Creek	Levy
Hokenstad, Lloyd V.	A. & S. Sp.	Tampa	Hillsborough
Holland, John Gill	Pre-Med. 1	Miami	Dade
Holley, Perry Thomas	Ag. V.	Point Washington	Walton
Hollingsworth, LeRoy Lawrence	E. V.	Gainesville	Alachua
Hollinrake, Allen Talor	A. B. 4	Gainesville	Alachua
Holly, Robert John	N. 2	Sanford	Seminole

Name	Classification	Postoffice	County or State
Honeywell, Harry Lewis	Ag. V.	Forty Fort	Pennsylvania
Horrell, Merten Stuart	A. B. 3	Arcadia	DeSoto
Horton, Roma Earl	E. 1	Quincy	Gadsden
Hoskins, Roy Belknap	A. B. 4	Tampa	Hillsborough
Houser, Harold Ransome	E. 2	Brooklyn	Clay
Houser, James Cowing	B. S. 2	Brooklyn	Clay
Howard, William Parker	L. 1	Jacksonville	Duval
Howatt, Albert Frederick	E. 1	St. Augustine	St. Johns
Howell, Hubert Albert	B. S. 2	Chattahoochee	Gadsden
Howell, Homer Virgil	Ag. V.	Esto	Holmes
Howell, Lauriston Van Lieu	B. S. Sp. 1	St. Petersburg	Pinellas
Howell, Thaddeus L., Jr.	A. B. S. S. 1	New Smyrna	Volusia
Hubbard, Albert D.	L. Sp.	Miami	Dade
Hubbard, Donald	E. 4	Terra Ceia	Manatee
Hubbard, Edwin Love	L. Sp.	Homestead	Dade
Hudnall, John Mae	T. 1	Gainesville	Alachua
Hudson, Edward	A. B. S. S. 1	Miami	Dade
Hudson, James Andrew	Ag. 2-yr.	Miami	Dade
Hughes, Joseph Grinelle	N. 2	Cedar Keys	Levy
Hughes, Richard Cannon	Ag. 1	Orangeburg	South Carolina
Hull, Horace Simeon	Ag. 1	Oakland	Orange
Hull, William Victor, Jr.	E. 2	Jacksonville	Duval
Hume, Edward Grisdale	Ag. 2	Jacksonville	Duval
Hunter, Frank Richter	B. S. 4	Ft. Myers	Lee
Hurst, Huber Christian	L. 1, A. & S. Sp.	Gainesville	Alachua
Hutson, Albert Donald	E. 2	St. Augustine	St. Johns
Ingram, Lamar Wallace	A. B. 1	Miami	Dade
Ives, John Cason	L. 2	Miami	Dade
Ivey, Frederick Malcolm	A. B. S. S. 1	Bartow	Polk
Janes, Francis G., Jr.	T. 2	Wauchula	Hardee
Janes, Archibald Egbert	B. S. 2	Wauchula	Hardee
Jackson, John Leslie	A. B. S. S. 3	Largo	Pinellas
Jackson, Warren C., Jr.	L. 1	DeLand	Volusia
Jeacle, William Gordon	L. 1	Mandarin	Duval
Jefferies, Leland Edward	Ag. 1	Lake Alfred	Polk
Jennings, Apperson Hugh	Ag. V.	Little Rock	Arkansas
Jennings, Benjamin Lott, Jr.	L. 3	Okeechobee	Okeechobee
Jennings, Jester Winsdor	L. 3	Okeechobee	Okeechobee
Johns, Carl	Pre-Med. 1	Starke	Bradford
Johns, Abb Ben	Ag. V.	Starke	Bradford
Johnson, Alex Ralph	Ag. Sp.	Gainesville	Alachua
Johnson, Charles Ward	L. 3	Largo	Pinellas
Johnson, Earl Weaver	L. 2	Jacksonville	Duval
Johnson, Falcon Lafayette	L. 1	Gainesville	Alachua
Johnson, Gilbert Earl	Ag. 1	Bradentown	Manatee
Johnson, James Massey	B. S. 1	Pensacola	Escambia
Johnson, Jesse Wilder	Ag. 1	Largo	Pinellas
Johnson, Marklin	Pre-Med. 1	North Beach, Key West	Monroe
Johnson, Thomas Anthony	B. S. 1	Pensacola	Escambia
Johnson, Timothy Augustus	B. S. 1	Largo	Pinellas
Johnson, Victor Floyd	E. 2	Key West	Monroe
Johnston, Donald Boydsdun	B. S. 1	Ft. Myers	Lee
Johnston, Edgar Reeves	A. B. 1	Ft. Lauderdale	Broward
Johnston, Harry Allison	L. Sp.	Jacksonville	Duval
Johnston, Nathan Jordan	A. B. S. S. 1	Luray	South Carolina
Jones, Earle Edward	L. 1	Ft. Myers	Lee
Jones, Albert Zonder	Ag. V.	Branford	Suwanee
Jones, Edgar Chas.	A. B. Sp.	Jacksonville	Duval
Jones, Jennings Bryant	Ag. V.	Gainesville	Alachua
Jones, John McHenry	L. 3	Pensacola	Escambia
Jones, Kenneth Baxter	Pre-Med. 1	Tampa	Hillsborough
Jones, Lawrence Paxton	A. B. 1	Jacksonville	Duval

Name	Classification	Postoffice	County or State
Jones, Theo. Allen	Pre-Med. 2	Sanford	Seminole
Jordan, Birkett Fry	A. B. S. S. 1	Gainesville	Alachua
Judkins, Donald Russell	A. B. 1	Largo	Pinellas
Katz, Hyman	L. 1	Jacksonville	Duval
Keen, Charlton David	A. & S. Sp.	Marianna	Jackson
Keen, William Harrington	E. 3	Bradentown	Manatee
Keller, Frank Marion	E. 4	Ft. Meade	Polk
Kelley, John Grady	Ag. 3	Gainesville	Alachua
Kelly, Mack	B. S. 1	Juliette	Marion
Kennan, Thomas Floyd	B. S. 4	Hilliard	Nassau
Kennedy, Joseph Howard	Ag. Sp.	Terra Ceia	Manatee
Kent, Frederick Alexander	A. B. 1	Cocoanut Grove	Dade
Kilcrease, James Albert	Ag. V.	Baker	Okaloosa
Kilcrease, Jesse Lee	Ag. V.	Baker	Okaloosa
Kilgore, Fred	E. 4	Clearwater	Pinellas
Kinchen, Cleo Patrick	Ag. V.	Athens	Georgia
King, Ernest Milton	A. B. S. S. 1	Tampa	Hillsborough
King, George Bryan	L. 1	Tampa	Hillsborough
King, Harry E.	L. 1	White Springs	Hamilton
King, Walter Russell	A. B. 4	Lakeland	Polk
King, William Courtney	L. 1	Roanoke	Virginia
Kinnon, Benjamin Franklin	E. V.	Gainesville	Alachua
Kite, Buck C.	Ag. V.	Starke	Bradford
Klein, Stephen Falk	E. 2	Pensacola	Escambia
Knight, Eury Martin	L. 3	Gainesville	Alachua
Knight, Fred Key	Ag. 2	Melbourne	Brevard
Knight, Hugh Edwards	E. Sp.	Valrico	Hillsborough
Knight, James Lloyd	E. 2	New Augustine	St. Johns
Knight, Walter Eugene, Jr.	E. 2	Lake Butler	Union
Knox, Robert Charles	A. & S. Sp.	Ortega	Duval
Koblegard, Rupert Neis	A. B. 1	Ft. Pierce	St. Lucie
Koorner, Alfred	Pre-Med. 2	Miami	Dade
Ladd, William Porter, Jr.	E. 4	DeLand	Volusia
Laird, Addison Shuler	Ag. 1	St. Mathews	South Carolina
Laird, Clifton Donald	L. 1	Millville	Bay
Laird, Wm. June	Ag. V.	Darlington	Walton
Lancaster, Lamar Leo	Pre-Med. 1	Bartow	Polk
Langford, John Kirby	E. 2	Lake Butler	Union
Langford, Maurice Gerald	T. 2	Lake Butler	Union
Langworthy, Frederic Hoppins	A. B. 2	Daytona Beach	Volusia
Larson, Willie Dense	Ag. V.	Cantonment	Escambia
Lassing, John Maurice	A. B. 1	St. Petersburg	Pinellas
Lassiter, James Paul	E. 1	Crystal River	Citrus
Lasswell, Frederick Daniel	Ag. V.	Gainesville	Alachua
Law, William Edmunds	Ag. 1	Jacksonville	Duval
Lawson, Samuel Claibouse	E. 2	Orlando	Orange
Laymon, Russell Lowell	Pre-Med. 1	Miami	Dade
Le Duc, William, Jr.	A. B. 1	Tampa	Hillsborough
Lee, John Milton	Ag. 1	Kissimmee	Osceola
Lee, Homer Basil	A. B. 3	Lake Butler	Union
Leland, Paul Earnest	E. 4	St. Petersburg	Pinellas
Lemon, James McWilliam	B. S. 3	Gainesville	Alachua
L'Engle, Frank Fatio	L. 1	Jacksonville	Duval
Lennard, Oscar Dean	B. S. 3	Indrio	St. Lucie
Leonard, John Richard	E. Sp.	Gainesville	Alachua
Leonard, Samuel Wade	T. 2	Blountstown	Calhoun
Levy, Emanuel Maurice	E. 1	Pensacola	Escambia
Lewis, Roger Kenneth	L. 2	West Palm Beach	Palm Beach
Liddon, Edgar Bailey	A. B. S. S. Sp.	Sneads	Jackson
Lightsey, George Warren	A. B. S. S. 1	Bartow	Polk
Lilienthal, Henry Franklin	L. 2	Ortega	Duval
Link, Andrew	Pre-Med. 1	Orlando	Orange

Name	Classification	Postoffice	County or State
Lindsey, Lawrence	E. V.	Milton	Santa Rosa
Line, Robert Boyer	Ag. 1	Carlisle	Pennsylvania
Little, Glenn Arthur	E. Sp.	Gainesville	Alachua
Little, Robert Gaston	L. 3	Jacksonville	Duval
Lockey, Jack Bond	Ag. V.	Grand Ridge	Jackson
Loewenkoff, Sellie Joseph	Pre-Med. 2	Jacksonville	Duval
Logan, John Henry	Ag. 2	Sneads	Jackson
Long, Eustace Clyde	Pre-Med. 1	Madison	Madison
Lord, Raymond Roosevelt	E. 1, L. 1	Key West	Monroe
Lorraine, Jacques Fred	E. Sp.	Orlando	Orange
Lossing, Fay Allen	B. S. Sp. 1	Sanford	Seminole
Lovvorn, Charles Jason	A. B. S. S. 1	Okeechobee	Okeechobee
Lowe, Cecil Belcher	A. B. S. S. 1	Jacksonville	Duval
Lucas, Eli Burson	A. B. 1	Tampa	Hillsborough
Luethi, Harry Arthur	L. 1	Key West	Monroe
Lundstedt, Sigurd	Ag. V.	Miami	Dade
McAllister, Jas. Sheppard	A. B. S. S. 1	Palatka	Putnam
McBride, Donald Bassett	L. 1	St. Petersburg	Pinellas
McCain, Hurshel Alvy	Ag. V.	Gainesville	Alachua
McCall, Edward Steinmeyer	B. S. 2	Oviedo	Seminole
McClain, Howard Elton	B. S. 4	Gainesville	Alachua
McClendon, Henry Grady	Ag. 2	Tampa	Hillsborough
McClure, John Robert	Pre-Med. 2	Pensacola	Escambia
McClung, John Newton, Jr.	E. 1	Clearwater	Pinellas
McCorkle, Edward Porter	L. 2	Lakeland	Polk
McCormick, Daniel Gilbert	B. S. Sp.	LaBelle	Lee
McCormick, Patterson S.	A. B. S. S. 1	Gainesville	Alachua
McDonald, Harrison Hodges	L. 2	Gainesville	Alachua
McDowell, David Franklin	A. B. 3	Panama City	Bay
McFarland, Earley DeWitte	A. B. S. S. 1	St. Petersburg	Pinellas
McGill, Edmund Robert	A. B. 1	Waldo	Alachua
McInnis, Sam W.	T. 4	O'Brien	Suwanee
McKay, Allen Crichton	A. & S. Sp.	Tampa	Hillsborough
McKinney, Volley	Ag. V.	Starke	Bradford
McMullen, Chester Bartow	L. 3	Largo	Pinellas
McNeill, James S.	Ag. V.	Chipley	Washington
Magill, Glenn Tillman	B. S. Sp.	LaBelle	Lee
Mahannah, Wade Douglas	E. 4	Ft. Lauderdale	Broward
Mahn, Ralph Waldo	Ag. V.	Gainesville	Alachua
Mallem, William Ellis	Pre-Med. 1	Sanford	Seminole
Maloy, Selby Marion	E. 1	Bradentown	Manatee
Malpas, Hilliard Spears	B. S. Sp.	Sanford	Seminole
Malphurs, Coey	E. 2	High Springs	Alachua
Malphurs, Ojus	E. 3	High Springs	Alachua
Mank, Philip Jamison	A. B. S. S. 1	Miami	Dade
Mann, Robert Henry	Ag. 2	Mannville	Putnam
Mann, William Albertis	Pre-Med. 1	Orlando	Orange
Markham, Joseph Henson	A. B. 3	Lake City	Columbia
Marshall, Lehnholf Spiller	B. S. 1	Tallahassee	Leon
Marshall, Otis Fee	Ag. 1	Winter Haven	Polk
Marshall, William Donald	E. 1	Tampa	Hillsborough
Marsicano, Ralph Angelo	L. 3	Tampa	Hillsborough
Martell, Grant Arthur	Ag. 3	Fellsmere	St. Lucie
Martin, Aubrey Henry, Jr.	Ag. 1-yr.	Palatka	Putnam
Martin, Lenard Alfred	E. Sp. V.	St. Augustine	St. Johns
Mason, Ernest Edward	A. B. 2	Century	Escambia
Mason, Reuben Madison, Jr.	B. S. 3	Sanford	Seminole
Massey, Geo. Bloxham, Jr.	A. & S. Sp.	Dade City	Pasco
Mathews, Edward Lee	Ag. 4, T. 4	Bartow	Polk
Matthews, Horace Guy	A. B. 2	Hawthorne	Alachua
Mathews, Howard Randall	A. & S. Sp.	New Smyrna	Volusia
Matthews, Jackson Clifford	A. B. 3	Trenton	Alachua

Name	Classification	Postoffice	County or State
Mathis, Addis	L. Sp.	Lake City	Columbia
Mathis, Otis	A. B. 3	Paxton	Walton
May, Harry Altree	E. Sp.	Plant City	Hillsborough
Mayo, Nathan Newson	L. 1	Summerfield	Marion
Meadows, Woodard Oscar	Ag. V.	Moultrie	Georgia
Meeks, Adolphus Elmo	A. B. S. S. 1	Tampa	Hillsborough
Melton, James Eugene	A. B. 2	Ocala	Marion
Melton, John Joseph	Ag. V.	Gainesville	Alachua
Menge, Conrad Shands, Jr.	B. S. Sp. 1	Ft. Myers	Lee
Merrin, Joe Knox	E. 2	Plant City	Hillsborough
Messick, Walter Lewis	Ag. Sp. 2-yr.	Bowling Green	Hardee
Mickler, Maynard	E. 3	Ponce de Leon	Holmes
Mickler, Peter	Ag. V.	Arcadia	DeSoto
Middlekauff, Willis William	Pre-Med. 1	Orlando	Orange
Middleton, William Sylvester	A. B. 3	Pomona	Putnam
Milam, George Walton	L. 2	Jacksonville	Duval
Miles, William Marion	L. Sp.	Tampa	Hillsborough
Miller, Frank Oswald, Jr.	A. B. S. S. 1	Jacksonville	Duval
Miller, James Theodore	Ag. 1	Haines City	Polk
Miller, Noelan Wallace	B. S. 2	Gainesville	Alachua
Miller, Robert Glover	A. B. 4	Jacksonville	Duval
Miller, Rolland Eugene	E. 2	Bradentown	Manatee
Milton, John Joseph	Ag. V.	Gainesville	Alachua
Mink, Ivor Dean	Ag. 1	Winter Garden	Orange
Minshew, William LeRoy	A. B. 1	Pierson	Volusia
Mixson, Archibald James, Jr.	N. 2	Williston	Levy
Mizell, Orville LeRoy	E. 1	Lake Butler	Union
Mobley, Ralph Huason	Pre-Med. 2	Dade City	Pasco
Mock, Albert Edward	B. S. 1	Pensacola	Escambia
Monroe, Bun Hunter	Pre-Med. 1	Tampa	Hillsborough
Montgomery, Hugh Troupe	Ag. 1-yr.	Tampa	Hillsborough
Moore, Alfred Thomas	Pre-Med. 1	Arcadia	DeSoto
Moore, Dewey Rex	T. 2	Darlington	Walton
Moore, Ellis	T. 4	Milligan	Okaloosa
Moore, Mont Broberick	Ag. 4-mo.	London	Canada
Moore, Thomas Earl	B. S. Sp. 1	Miami	Dade
Morgan, William Dallas	L. 1	Jacksonville	Duval
Morris, Burris	Ag. V.	Round Lake	Jackson
Morris, Clarence Edwin	Pre-Med .2	Pensacola	Escambia
Morris, Loren Albert	N. 1	Bushnell	Sumter
Morris, Neal	Pre-Med. 1	Pensacola	Escambia
Moss, Daniel Roland	L. 2	Jacksonville	Duval
Mounts, Marvin Umphrey	Ag. 2	Gainesville	Alachua
Mullholland, Andrew Murdock	Ag. 1-yr.	Ft. Wayne	Indiana
Munson, Roswell William	E. 1	Waldo	Alachua
Murphree, John A. H.	A. B. 2	Gainesville	Alachua
Murphy, James M.	E. V.	Alachua	Alachua
Murphy, Louis Edward	N. 2	Jacksonville	Duval
Musselwhite, William	Ag. 2-yr.	Homestead	Dade
Nehrling, Burt Edwin	Ag. V.	Orlando	Orange
Newcomb, Robt. Benton	Ag. 1-yr.	Cleveland	Ohio
Newell, George Albert	B. S. Sp. 1	Orlando	Orange
Newton, Virgil M., Jr.	B. S. 1	Tampa	Hillsborough
Newton, Robert Dorr	L. 1	Citra	Marion
Niblack, Charles Turner	E. 1	Dunnellon	Marion
Niblack, Julian	E. 1	Dunnellon	Marion
Nichols, Wesley Ward	E. Sp.	Melbourne Beach	Brevard
Nielsen, Clarence James	Ag. 1	West Palm Beach	Palm Beach
Nolte, John Otto, Jr.	B. S. Sp. 1	Jacksonville	Duval
Norris, James Laborn	E. V.	Freeport	Walton
Norton, Clyde Haley	Ag. 1	Winter Haven	Polk
Norton, Elmer Maurice	L. 1	Tampa	Hillsborough

Name	Classification	Postoffice	County or State
Odom, Alton Brooks	N. 1	Munson	Santa Rosa
Ogg, James A.	B. S. 1	Clearwater	Pinellas
O'Hara, Leonard Austin	Ag. V.	Live Oak	Suwanee
O'Neal, George Bonham	Ag. V.	Pensacola	Escambia
Ormsby, Aubrey Cartwright	Ag. 2	Larkins	Dade
Osborne, Leonidas Lewis	A. B. 1	Zellwood	Orange
Overstreet, Murray Wharton	A. B. 2	Kissimmee	Osceola
Owens, Wallace Burns	L. 2	Tampa	Hillsborough
Padgett, James Roy	Ag. 1	Crescent City	Putnam
Padgett, Mack H.	L. Sp.	Mayo	Lafayette
Page, Martin Charles	Ag. V.	Gainesville	Alachua
Palmer, Henry Edward	Ag. 1	Tallahassee	Leon
Palmer, James Aubrey	A. B. 1	Camilla	Georgia
Palmer, Thos. Meyers	A. Sp.	Tallahassee	Leon
Pamiello, Jose Ocejo	A. B. 1	Tampa	Hillsborough
Parham, Thomas Hubert	A. B. 1	Oxford	Sumter
Parker, Francis Webb	A. B. 4	Tampa	Hillsborough
Parker, Orion Creet, Jr.	L. 1	Tallahassee	Leon
Parker, William Lee	Ag. V.	Lake City	Columbia
Parmenter, William George	E. Sp.	Orange Park	Clay
Parrish, Harry S.	L. 1	Lakeland	Polk
Parrish, James Floyd	Ag. V.	Istachatta	Citrus
Parrish, Paul Giddens	B. S. Sp. 1	Tampa	Hillsborough
Paschal, George Reed, Jr.	L. 1	Jacksonville	Duval
Patey, William Bartell	L. 1	Miami	Dade
Patrick, John Wilson	Ag. V.	Umatilla	Lake
Paul, Frank Crawford	Ag. 2	Tampa	Hillsborough
Paulus, Eugene Stephens	Ag. Sp.	Gainesville	Alachua
Payne, Hollis Virgil	E. V.	Ona	Manatee
Peacock, Richmond Davis	A. & S. Sp.	Perry	Taylor
Pearce, J. D., Jr.	E. 1	St. Petersburg	Pinellas
Pearce, James Martine	B. S. 2	Tampa	Hillsborough
Pearce, William Orton	Ag. 1	Bartow	Polk
Peeples, Earle Edward	E. 3	Lake Butler	Union
Pelot, Frank Cooper	A. B. 1	Manatee	Manatee
Pemberton, Hollis Osmond	L. 1	Tampa	Hillsborough
Pendarvis, Theodore Lawrence	Ag. 2	Blountstown	Calhoun
Penn, John William	L. Sp.	Pensacola	Escambia
Pepper, Max	B. S. 1	Gainesville	Alachua
Pepper, William Mullin, Jr.	A. B. 3	Gainesville	Alachua
Perkins, Gordon Kennedy	A. B. S. S. 2	Jacksonville	Duval
Perkins, Ralph Parker	E. 4	Pine Castle	Orange
Perry, Henry, Jr.	E. 3	Wildwood	Sumter
Peterson, Coey Moore	Ag. V.	Oneco	Manatee
Peterson, Harold Philip	E. 1	West Town	Clay
Peterson, Herbert Lewis	L. 1	St. Petersburg	Pinellas
Petteway, Gordon Powell	A. B. 2, L. 1	Brooksville	Hernando
Phillips, Olyn	N. 2	Alva	Lee
Philpot, Henry P.	L. Sp.	Bell	Alachua
Pierce, Robert Bell	A. &. S. Sp.	Long Branch	Clay
Pierce, Robert Samuel, Jr.	A. B. 3	Marianna	Jackson
Pirenian, Zareh Heguerditch	Ag. 1	Constantinople	Turkey
Pittman, Owen Willis	L. 1	Miami	Dade
Plockelman, Raymond	E. 1	West Palm Beach	Palm Beach
Poe, Lee Hartwell	E. 2	St. Augustine	St. Johns
Polk, Edgar Brown	Ag. V.	Cookspring	Alabama
Pomeroy, Edwin Francis, Jr.	L. 1	Jacksonville	Duval
Pomeroy, Stewart Lines	E. 3	Jacksonville	Duval
Pomeroy, William Harold	Ag. 3	Orlando	Orange
Poppell, Tyson Edward	B. S. Sp.	Millville	Bay
Porter, Ned Swindell	A. B. S. S. 1	Apalachicola	Franklin
Porter, Richards Gibbs	A. B. S. S. 1	Apalachicola	Franklin

Name	Classification	Postoffice	County or State
Prescott, Ford Lewis	E. 4	Gainesville	Alachua
Preece, Richard, Jr.	L. 1	St. Petersburg	Pinellas
Price, Carleton G.	E. 2	West Palm Beach	Palm Beach
Price, Roland M.	E. V.	Palatka	Putnam
Prine, Dennis Morgan	Ag. V.	Ocala	Marion
Pryor, George Washington	Ag. Sp.	Mary Esther	Okaloosa
Raasch, Ezra Elwood	B. S. 2	Leesburg	Lake
Rabon, Warren Franklin	Ag. V.	Chipley	Washington
Ralls, Joseph Cooper	L. 1	Piedmont	Alabama
Rambo, David Alva	E. 3	Orlando	Orange
Ramsey, Louie Randall	T. 3	Pensacola	Escambia
Ramsey, Thomas Winston	B. S. 1	Tampa	Hillsborough
Randall, Roger Tanner	L. 1	St. Petersburg	Pinellas
Raulerson, Hiram H.	N. 2	Okeechobee	Okeechobee
Raymond, Ernest Parsons	Ag. 1	Ft. Myers	Lee
Redavats, Chester Brownlee	E. 1	Jacksonville	Duval
Redding, Henry Elliott	A. B. 1	Lake City	Columbia
Reed, Gordon Oliver	N. 1	Gainesville	Alachua
Reed, Lawrence Brownell	E. 1	Gainesville	Alachua
Regero, Charles James	L. 1	Tampa	Hillsborough
Regester, Elvyn Austin	Ag. 2	Bloomington	Indiana
Register, Charles Hughes	E. 2	Lake Butler	Union
Register, Lemma Ezekel	Ag. V.	Bonifay	Holmes
Revels, Julian Vernie	T. 1	Florahome	Putnam
Reynolds, Robert Blair	E. 1	Ocala	Marion
Rhoden, Bethel John	Ag. V.	Frostproof	Polk
Rhudy, Ralph C.	Ag. Sp.	Gainesville	Alachua
Rhudy, Rob Roy	L. 3	Tampa	Hillsborough
Riedel, Louis	Ag. V.	Gainesville	Alachua
Richardson, Mark Meadows	Ag. 1-yr.	Evinston	Marion
Riddle, Howard Sterling	E. 3	Clearwater	Pinellas
Richey, Horace Edgar	L. 1	Welaka	Putnam
Roach, Jas. Spencer	A. & S. Sp.	High Springs	Alachua
Roberts, Earl Hambey	Pre-Med. 1	Lawtey	Bradford
Richards, Hawthorne Howe	L. 1	Reading	Massachusetts
Roberts, Hugh, Jr.	E. 3	Miami	Dade
Robertson, Walter Lester	Ag. 1	New Smyrna	Volusia
Robinson, Winthrop M.	A. & B. Sp.	Tallahassee	Leon
Robinson, Wilburn	A. B. 1	Leesburg	Lake
Robison, George Lester	B. S. Sp. 1	Wall Springs	Pinellas
Robison, Jno. Malcolm	Ag. V.	Cleveland	Ohio
Roche, Buell Franklin	Ag. 1 Sp.	Vernon	Washington
Rogells, Jack Rogers	Ag. 1	Palmetto	Manatee
Rogers, Lawrence William	L. 1	Pensacola	Escambia
Rogers, Wieland Walker	B. S. 4	Jacksonville	Duval
Rose, James Richard, Jr.	L. 1	Jacksonville	Duval
Rose, John Theron	B. S. 1	Eastport	Duval
Rose, William Lamar	L. 2	Punta Gorda	Charlotte
Ross, Leon	T. 1	Live Oak	Suwanee
Rosselli, Donald Daniel	Pre-Med. 1	Tampa	Hillsborough
Rouse, James Bass	Ag. V.	Jacksonville	Duval
Rouse, James Walter	Ag. V.	Jacksonville	Duval
Rousso, Jos. Robert	Ag. 2 Sp.	Alexandria	Egypt
Rowe, Richard Robert	L. 1	Miami	Dade
Royer, John Whittier	Ag. 4	Roanoke	Virginia
Rozier, Robert Clyde	Pre-Med. 2	Chipley	Washington
Russell, William Dalzell	A. B. S. S. 1	Jacksonville	Duval
Rutledge, Ernest	L. 2	Brooksville	Hernando
St. John, Newton Don	B. S. 4	Daytona Beach	Volusia
Saarinen, Arthur William	B. S. 1	Newberry	Alachua
Sale, Thomas	L. 2	Southport	Bay
Salley, Henry McKie	E. 2	Jacksonville	Duval

Name	Classification	Postoffice	County or State
Sanchez, Ernest Edward	L. 1	Tampa	Hillsborough
Sanders, Marcus Ercelle	E. 4	Gainesville	Alachua
Sapp, William	Ag. V.	Starke	Bradford
Sasnet, Irving	Ag. V.	Gainesville	Alachua
Sasse, Fredric Louis	L. 1	Buffalo	New York
Sauls, Byron Twilllger	B. S. 1	Wauchula	Hardee
Sauls, Clyde Henry	A. B. 2	Sanford	Seminole
Sauls, Walter Scott	Ag. V.	Dover	Hillsborough
Saussy, Fred Waring	E. V.	Hawkinsville	Georgia
Sawyer, Charles Francis	B. S. Sp.	Apalachicola	Franklin
Scarborough, Chaffie Aldred	Ag. 1	White Springs	Hamilton
Scarborough, Edgar Warren	Ag. 2	Chattahoochee	Gadsden
Schabinger, Ernest Mason	Ag. 4	Delray	Palm Beach
Schabinger, John Ewing	Ag. 2-yr.	Delray	Palm Beach
Schuderi, Samuel Andrew	Pre-Med. 2	Tampa	Hillsborough
Schwartz, Karl William	L. 1	Miami	Dade
Scott, Ivan Walter	A. & S. Sp.	Dunkirk	New York
Scott, Maurice	Ag. Sp.	Gainesville	Alachua
Scotten, Rawley Wilson	B. S. 3	Gainesville	Alachua
Scribner, Nelson Joseph	N. 1	Miami	Dade
Sears, William Joseph	A. B. 1	Kissimmee	Osceola
Sellers, Leon Herbert	Ag. 1	St. Petersburg	Pinellas
Semilof, Benjamin Bernard	L. 2	Brooklyn	New York
Sewell, Russell Dale	Ag. V.	Oxford	Indiana
Shafer, William Wallace	A. B. 1	Haines City	Polk
Session, Marion Burnett	L. 1	Live Oak	Suwanee
Sharon, James Gibson, Jr.	L. 1	Sanford	Seminole
Sharpley, Henry Colmore	Ag. 1-yr.	Norfolk	Virginia
Sharpley, John Hayward	Pre-Med. 1	Key West	Monroe
Shear, Leonard LeRoy	E. 1	Daytona	Volusia
Sheppard, Henry Cecil	Ag. 1-yr.	Berea	Ohio
Shockley, Francis Woodyard	B. S. 2	Avon Park	Highlands
Shores, Robert	Ag. V.	Round Lake	Jackson
Shultz, Maurice Dwight	E. 2	Inverness	Citrus
Sias, Richard Alan	A. B. 3	Orlando	Orange
Sibert, J. D., Jr.	L. 1	Palatka	Putnam
Siegal, Herman	L. 1	Jacksonville	Duval
Simmons, Andrew Carson	E. 4	Jacksonville	Duval
Simmons, John Humphries	Ag. 1-yr.	Arcadia	DeSoto
Simmons, Oscar Brownlee, Jr.	L. 1	Laurens	South Carolina
Simmons, Ralph A.	Ag. 2	Jacksonville	Duval
Simmons, Samuel Jos., Jr.	Pre-Med. 2	Arcadia	DeSoto
Simmons, Walker Austin	Ag. V.	Milton	Santa Rosa
Simon, Loren Dale	L. 1	West Palm Beach	Palm Beach
Simpson, John Milton Bryan	A. B. 2	Kissimmee	Osceola
Sims, Hiram G.	E. V.	Grand Ridge	Jackson
Sixma, George Gordon	Ag. 2	Lake Helen	Volusia
Skinner, Wm. Alexander	Ag. 1	Umatilla	Lake
Slone, Denney Wood	B. S. 1	Mascotte	Lake
Smith, Bruce H.	E. Sp.	Miami	Dade
Smith, English Bentley	Ag. V.	Gainesville	Alachua
Smith, Foster Shi	A. B. 3	Hawthorne	Alachua
Smith, Harry Marion	Ag. 2	Winter Garden	Orange
Smith, Henry James	Pre-Med. 1	Evergreen	Alabama
Smith, Heyburn Dale	T. 1	Oneco	Manatee
Smith, Horace Elon	B. S. 1	Jacksonville	Duval
Smith, John Henry	E. V.	Gainesville	Alachua
Smith, Joseph Gordon	Ag. 4 Sp.	Tignall	Georgia
Smith, Lawrence E.	Ag. Sp. 1-yr.	Fruitland Park	Lake
Smith, Richard Mengo	Ag. 4	Jacksonville	Duval
Smith, Wayne Albert	Ag. 2	Clearwater	Pinellas
Smith, Wilbur Ritchie	A. B. S. 1	Gainesville	Alachua

Name	Classification	Postoffice	County or State
Smithwick, William Vereen	L. 2	Pensacola	Escambia
Snuggs, Roland Edward	Grad	Gainesville	Alachua
Soar, Carl	E. 1	Miami	Dade
Sparkman, Amos Lamar	Ag. V	Plant City	Hillsborough
Sparkman, Claude Jefferson	L. 1	Fulford	Dade
Speer, Herbert Lawson	Ag. V	Umatilla	Lake
Spencer, Garland W., Jr.	A. & S. Sp.	Sanford	Seminole
Spiva, Ernest Raymond	B. S. 1	St. Andrews	Bay
Spring, Harold Arthur	E. 1	Tampa	Hillsborough
Squires, Walter George	Ag. V	Oxford	Sumter
Stager, Oscar Monroe	Ag. V	Paxton	Walton
Stanly, George Booth	B. S. 4	Ft. Lauderdale	Broward
Stanley, George Thomas	Ag. V	Gainesville	Alachua
Stanly, Richard Lee	B. S. 4	Gainesville	Alachua
Stanly, William Alfred	A. B. S. S. 1	Ft. Lauderdale	Broward
Stansfield, Harold Campbell	E. 4	Bradentown	Manatee
Steele, Thomas Allan	Ag. V	Gainesville	Alachua
Stein, Maurice	L. 2	Tampa	Hillsborough
Stephens, Lowell Oliver	A. B. 2	Stewardson	Illinois
Stephens, Malcolm Leslie	L. 2	St. Augustine	St. Johns
Stewart, Arthur Edward	L. 1	Cocoanut Grove	Dade
Stewart, Charles Thomas	Ag. V.	Gainesville	Alachua
Stewart, Harry Milo	A. B. 1	Jacksonville	Duval
Stewart, Lloyd Denison	Ag. 4 & T. 4	Bradentown	Manatee
Stewart, Wilfred Herschel	B. S. Sp. 1	LaBelle	Lee
Stiles, James C.	B. S. Sp. 1	Jacksonville	Duval
Storm, Francis Fernando	L. 2	Clearwater	Pinellas
Story, William Lassenby, Jr.	E. 1	Winter Garden	Orange
Strickland, Judson William	Ag. 2	Homestead	Dade
Stumpe, Anthony William	E. 1	Palatka	Putnam
Sullivan, Millard Charles	Ag. V	Pine Castle	Orange
Sullivan, William Bryson	Ag. V	McAlpin	Sumanee
Summers, Charnelle Hodges, Jr.	E. 3	West Palm Beach	Palm Beach
Sumner, Reginald Harvey	L. 1	St. Petersburg	Pinellas
Sumner, Wesley Everett	L. 1	St. Petersburg	Pinellas
Sumpter, Ward Cullin	Grad	Gainesville	Alachua
Swails, Spencer Adams	E. V.	Yulee	Nassau
Swain, William Bryan	Ag. V.	Lake Alfred	Polk
Sweat, William Earnest	L. 2	Mulberry	Polk
Swoope, Charlie Carrol	E. 2	New Smyrna	Volusia
Taylor, Charles Albert	Ag. V	Miccosukee	Leon
Taylor, Chas. Henry, Jr.	Ag. 1	Plant City	Hillsborough
Taylor, Frank Francis	T. 3	Gainesville	Alachua
Taylor, James Clagett	A. B. 4	Sebring	Highlands
Taylor, James Henry	L. 3	Gainesville	Alachua
Taylor, James M.	A. & S. Sp.	Green Cove Springs	Clay
Taylor, John Stansel, Jr.	Ag. 2	Largo	Pinellas
Taylor, Wilmer John	L. 1	St. Petersburg	Pinellas
Thigpin, Hubert Henry	E. V.	Miami	Dade
Thomas, Brantley Frazier	Ag. V	Glen St. Marys	Baker
Thomas, Fred Joseph, Jr.	L. 1	St. Augustine	St. Johns
Thomas, Irvin Grey	E. 4	Ft. Myers	Lee
Thomas, Jesse	Ag. V.	Lake Butler	Union
Thomas, Leo Julian	A. B. S. S. 1	Lake City	Columbia
Thomas, Philip Everett	B. S.	Gainesville	Alachua
Thomas, William Rufin, Jr.	B. S. 1	Gainesville	Alachua
Thompson, Jay Z.	Ag. V.	Omega	Georgia
Thompson, Laudious Lawrence	T. 4	Tarpon Springs	Pinellas
Thompson, Percival John	A. & S. Sp.	Lake Helen	Volusia
Thompson, Wirt Walker	E. Sp.	Bagdad	Santa Rosa
Thomson, Fred Norris	A. B. 1	Miami	Dade
Thomson, Hugh Lee	A. B. 1	Miami	Dade

Name	Classification	Postoffice	County or State
Thornton, Labon	A. B. S. S. 1	Gainesville	Alachua
Thrasher, Robert Carter	A. B. 1	Sanford	Seminole
Tice, James Thompson	Ag. 1	Bartow	Polk
Tidwell, Cleveland M.	Ag. V.	DeFuniak Springs	Walton
Tillis, Harry Lawson	Ag. V.	Starke	Bradford
Tillman, Sidney Fletcher	E. V.	Hawthorne	Alachua
Timpas, Anthony Lamprow	E. 2	Gainesville	Alachua
Todd, Edgar Russell	A. B. S. S. 1	St. Petersburg	Pinellas
Todd, Francis Ridgely	Ag. 1	Sparrow's Point	Maryland
Todd, Leonard Edwin	E. 4	Ocala	Marion
Tomlin, Robert Franklin	L. 1	Plant City	Hillsborough
Toms, Willard Henry, Jr.	E. V.	Waycross	Georgia
Tonkin, J. Leslie	B. S. 1	Sebring	Highlands
Toomer, Arthur Courtney	L. 1	Ortega	Duval
Tooke, William Lorenzo	B. S. 4	Floral City	Citrus
Torres, Emilo Raymond	Ag. V.	Tampa	Hillsborough
Torretta, Joe Nick	Pre-Med. 2	Tampa	Hillsborough
Towles, Alton Myers	T. 2	Crawfordville	Wakulla
Trammell, Earle Worth	L. 1	Miami	Dade
Trammell, Joe Wilson	E. 1	Tallahassee	Leon
Travis, John Perry	E. V.	St. Petersburg	Pinellas
Trevor, Edwin Fogarty	B. S. 1	Key West	Monroe
Trigg, Woodward Henry	L. 1	Monticello	Jefferson
Trimble, Robert Cockran, Jr.	E. 3	Bradentown	Manatee
Troxler, Walter Garrett	A. B. S. S. 1	Ocala	Marion
Turbyfill, Thos. Benjamin	E. 1	Gainesville	Alachua
Turner, Edward Eugene	T. 1	Inverness	Citrus
Turner, Ernest Pomeroy	T. 2	Trenton	Alachua
Turner, Harvey Bruce	A. B. 1	Largo	Pinellas
Turner, Willie Lane	Ag. V.	Shelby	North Carolina
Tweedell, Carl Lee	B. S. Sp.	Homestead	Dade
Ucker, Edward Egan	E. 4	Baltimore	Maryland
Ucker, Paul Francis	Ag. 2	Baltimore	Maryland
Uptegraff, Eugene James	A. B. 3	Gainesville	Alachua
Usher, John William	A. B. 1	Miami	Dade
Van Buskirk, Allan Christopher	E. Sp.	Orlando	Orange
Van Cleef, Clinton Booth	Ag. 3	Glenwood	Sumter
Van Hyning, Oather C.	B. S. 1	Gainesville	Alachua
Van Nest, Albert Keyes	E. 1	Orlando	Orange
Vansickel, Talmadge Lewis	Ag. 2	Gainesville	Alachua
Varena, Alfred Arthur, Jr.	B. S. Sp. 1	Sebring	Highlands
Vaughan, James A.	L. 1, A. B. S. S. 3	DeFuniak Springs	Walton
Vaughan, Richard Ferguson	A. B. 2	Dover	Hillsborough
Vaughn, Robert James	Pre-Med. 1	High Springs	Alachua
Wainwright, Newman David	L. Sp.	Starke	Bradford
Wakefield, George Norton	Ag. 2	Apalachicola	Franklin
Waldo, Kenneth	E. Sp.	Scotland	Connecticut
Walker, Fred Winter	B. S. 1	Orlando	Orange
Walker, Shade Wilson, Jr.	A. B. S. S. 2	Sanford	Seminole
Wallace, Robert George	L. 1	Daytona	Volusia
Ward, Gilbert	E. V.	McDavid	Escambia
Ward, William Gresham	L. 3	Miami	Dade
Ware, Clarence E.	L. Sp.	Miami	Dade
Warren, Asa Brooks	Ag. V.	Apalachicola	Franklin
Warren, John Bethel	E. 1	Key West	Monroe
Warren, John P.	B. S. 2	Sebring	Highlands
Warren, William Curtis	B. S. 2	Tampa	Hillsborough
Washburn, Cyrus, Jr.	E. 2	Abington	Massachusetts
Waterman, Arnold Thomas	E. 1	Palatka	Putnam
Watkins, John Kirkwood	L. 1	Key West	Monroe
Watts, Frederick Arnold		Grant	Brevard
Watts, Olin Etheridge, Jr.	A. & S. Sp.	Bartow	Polk

Name	Classification	Postoffice	County or State
Way, Oliver Roscoe	Ag. Sp.	Eagle Lake	Polk
Way, Raymond Clayton	A. B. S. S. 1	Eagle Lake	Polk
Weathers, Wm. Frank	A. B. S. S. 1	St. Augustine	St. Johns
Weatherwax, O. Kenneth	E. 2	Tampa	Hillsborough
Weaver, Merle Bourne	T. 1	St. Petersburg	Pinellas
Webb, Curren Elmore	E. 2	Tampa	Hillsborough
Webster, Edwin Burchard	A. B. 1	Jacksonville	Duval
Wedekemper, Frank Joseph	Grad.	Louisville	Kentucky
Weeks, Hubert	A. B. 2	Tampa	Hillsborough
Wells, Henry Irvin	A. B. 1	Panama City	Bay
Wells, Joel Reaves, Jr.	L. 2	Panama City	Bay
Wells, Maxwell Warnock	L. 1	Panama City	Bay
Wells, William James, Jr.	A. B. 2	Holley	Santa Rosa
West, Arthur Lowell	E. 1	Tampa	Hillsborough
West, Thomas Franklin, Jr.	L. 1	Tallahassee	Leon
Wesley, Herman Franklin	Ag. V.	Gainesville	Alachua
Weston, Weldon King	Ag. V.	Port Richey	Pasco
Wheeler, Joseph Drew	T. 2	Gainesville	Alachua
Whiddon, Cecil Havron	Ag. V.	Chattahoochee	Gadsden
Whiddon, Robert Julian	Ag. V.	Sycamore	Georgia
Whitaker, Glenn Owen	B. S. Sp. 1	St. Petersburg	Pinellas
Whitcomb, Walter Raleigh	Ag. V.	Umatilla	Lake
White, Alec	Ag. 4, T. 4	Tampa	Hillsborough
White, Edward Marvin	E. V.	Bonifay	Holmes
White, Edward Poston	L. 2	Miami	Dade
White, Frank Gregory	L. 1	Newberry	Alachua
White, Joseph Senter	L. 3	Gainesville	Alachua
White, Kinnon Randolph	E. V.	Muscogee	Escambia
White, Oliver Lee	Ag. V.	Roanoke	Virginia
White, Orion Martin	T. 1	Ft. Myers	Lee
Whitehead, Ivan Ingram	Ag. V.	Caryville	Washington
Wiggins, Hugh Hubert	Ag. V.	Arch Creek	Dade
Wiggins, James Archibald	A. B. S. S. 1	Jacksonville	Duval
Wiig, Howard Edgerton	Ag. Sp.	Wahpeton	North Dakota
Wilensky, Moses Carl	Pre-Med. 2	Jacksonville	Duval
Williams, Arthur Rees	E. 2	Tallahassee	Leon
Williams, Ben Marion	E. V.	Bell	Alachua
Williams, Burton Caswell	T. 1	Tallahassee	Leon
Williams, Henry H., III	A. B. 1	St. Petersburg	Pinellas
Williams, Herbert Augustus, Jr.	L. 2	Jacksonville	Duval
Williams, Hoy Mizelle	A. & S. Sp.	Alachua	Alachua
Williams, Irvine DeBerry	E. 3	Tampa	Hillsborough
Williams, Josiah Azzie	Ag. V.	Gainesville	Alachua
Williams, John Earle	E. 1	Ocala	Marion
Williams, James Jay, Jr.	A. B. S. S. 1	Jacksonville	Duval
Williams, Lovick Pierce	E. 2	Gainesville	Alachua
Williams, Oliver Joseph	L. 1	Pensacola	Escambia
Williams, Vernon Green	Ag. V.	Cantonment	Escambia
Williamson, Frank Harold	L. 1	Miami Beach	Dade
Willis, Eugene Edward	Ag. V.	Warrington	Escambia
Wilson, Gorman Coite	A. & S. Sp.	St. Augustine	St. Johns
Wilson, Horace S.	Ag. 4, T. 4	Starke	Bradford
Wilson, Maurice James	A. B. S. S. 1	Bartow	Polk
Wilson, Robert Murch	E. 3	Jacksonville	Duval
Wilson, Vern William	Ag. 3	Kissimmee	Osceola
Wilson, Wm. Horace, Jr.	A. B. S. S. 1	Lake City	Columbia
Winfield, James Andrew	E. 4	O'Brien	Suwanee
Winter, Henry Kenneth	B. S. 1	Oakland	Orange
Winter, Thurston Phillip	Ag. 4	Oakland	Orange
Wise, Jacob Hooper	A. B. 2	Gainesville	Alachua
Witter, Frank Howard	Ag. V.	Gainesville	Alachua
Wolfe, William Hannah	L. 1	Pensacola	Escambia

Name	Classification	Postoffice	County or State
Womeldurf, James Franklin	Ag. V.	Gainesville	Alachua
Wood, George Leslie	A. B. 1	Ozona	Pinellas
Woodbery, Edward Benson	A. B. 3	Quincy	Gadsden
Woods, Lemuel Phillips	B. S. 1	Tampa	Hillsborough
Woodward, Reginald Brandon	E. 2	Dade City	Pasco
Worden, Harold Chester	B. S. 1	Winter Haven	Polk
Work, Harry Ellis	B. S. Sp. 1	Bagdad	Santa Rosa
Workman, Ralph Ova	B. S. 1	Londonville	Ohio
Worley, Lee McBride	A. & S. Sp.	Miami	Dade
Worth, David Gaston	Ag. 1	Wilmington	North Carolina
Wray, Robert	Ag. 4	Tampa	Hillsborough
Worth, Wm. Charbourn	Ag. 1	Kiangyin	China
Wrench, Frank Augustus	A. & S. Sp.	Gainesville	Alachua
Wright, Frank Sumner	A. B. S. S. 1	Jacksonville	Duvai
Wyatt, Milton Hans	A. B. 2	Bradentown	Manatee
Wysong, Coleman Gay	T. 4	Assumption	Illinois
Yancey, William Paul	E. V.	Gainesville	Alachua
Yarnoff, William Jacob	E. 4	Gainesville	Alachua
Yeargin, James Cecil	Ag. V.	Gainesville	Alachua
Yeats, Milton Leonidas	L. 1	Tampa	Hillsborough
Yetter, Harold M.	A. B. 1	Jacksonville	Duval
Young, Martin Greene	Ag. Sp.	Jupiter	Palm Beach
Zyber, Frank Ernest	Ag. V.	Tampa	Hillsborough

SUMMER SCHOOL, 1922

Name	Postoffice	County or State
Abbott, Chas. E.	Ft. Green Springs	Hardee
Abbott, Fred	Gainesville	Alachua
Abraham, Judith Elizabeth	Wildwood	Sumter
Akins, Eliza	St. Catherine	Sumter
Albritton, Myrtie May	Jacksonville	Duval
Albury, Zula	West Tampa	Hillsborough
Alonzo, Kate Jenkins	Melbourne	Brevard
Altman, Ola	Ft. Meade	Polk
Ames, Burton Weber	Kissimmee	Osceola
Anderson, Claude	Orlando	Orange
Anderson, Gertrude	Raiford	Union
Anderson, James Bascom	Bronson	Levy
Anderson, Margaret Mae	Lakeland	Polk
Anderson, Marie Lydia	St. Petersburg	Pinellas
Andrews, Lothair Benjamin	Darlington	Holmes
Annis, Edna Gertrude	Ellenton	Manatee
Apgar, Sylvia Ellen	Kenwood	Putnam
Arledge, Martha	Ocala	Marion
Armstrong, Ellen Brown	Okahumpka	Lake
Armstrong, Noble Boyd	Ponce de Leon	Holmes
Arnow, Geo. Maurice	Jacksonville	Duval
Asbury, Jno. W.	Gainesville	Alachua
Asbury, Martha	Gainesville	Alachua
Ashe, Ione Mayfield	Key West	Monroe
Avriett, Carrie C.	Jennings	Hamilton
Bailey, Emily F.	Sanford	Seminole
Baldwin, Annie	Alachua	Alachua
Barchan, Rose	Jacksonville	Duval
Bard, Sarah Hyatt	Palatka	Putnam
Barnard, Mabel Clair	Pinetta	Madison
Barrow, Lula Lee	Chiefland	Levy
Bayless, Mary Bessie	Umatille	Lake
Beach, Alberta	Webster	Sumter
Bearss, Florence Viola	Tampa	Hillsborough

Name	Postoffice	County or State
Beaver, Dorothy Mary	Key West	Monroe
Beck, Alfred Herman	Gainesville	Alachua
Beeler, Lora Luvenia	Groveland	Lake
Bell, Carrie Martini	Gainesville	Alachua
Bennett, Hazel Rovilla	Reddick	Marion
Bennett, Rhoda Malona	Theressa	Bradford
Berg, Orville Marion	Arcadia	DeSoto
Bergman, Myrnalee	South Jacksonville	Duval
Beville, Hattie Mozelle	Daytona	Volusia
Bishop, Geo. Leonard	Pensacola	Escambia
Blackburn, Martha Faith	St. Petersburg	Pinellas
Blair, Edna Elizabeth		Marion
Blake, Faye	Tarpon Springs	Pinellas
Blanton, Clara Janette	St. Petersburg	Pinellas
Blitch, Jessie Lillian	Ocala	Marion
Blitch, Loomis	Ocala	Marion
Blount, Mrs. Florence Balis	Newberry	Alachua
Boals, Emma	LaCrosse	Alachua
Bond, Horace	Wellborn	Suwanee
Bond, Ianthe	Ft. Myers	Lee
Bouchelle, Anne Virginia	DeLand	Volusia
Boulware, Myrtice	Island Grove	Alachua
Boulware, Mrs. Roberta	Island Grove	Alachua
Bowers, Louise	Gainesville	Alachua
Bowers, Robt., Jr.	Gainesville	Alachua
Boyd, James Edward	Lake Park	Georgia
Bozeman, Mrs. Etta Myrtle	Live Oak	Suwanee
Bozeman, Marvin Luther	Live Oak	Suwanee
Brabham, Evelyn Maye	Orange Lake	Marion
Braddock, Elbert Clayton	Crescent City	Putnam
Brady, Kathleen	Sanford	Seminole
Branch, Garland Marion	Plant City	Hillsborough
Brantley, Newnan Astor	Umatilla	Lake
Brenk, Wm. Chas.	Boca Ratone	Palm Beach
Brigham, Helen Alice	Windemere	Orange
Brinson, Lucile Margaret	Mayport	Duval
Brinson, Paul A. H.	Gainesville	Alachua
Broer, Dullye Elaine	Wauchula	Hardee
Brown, Asa Darrell	Lynn Haven	Bay
Brown, Jesse C.	Gainesville	Alachua
Brown, Mrs. J. Colvin	Gainesville	Alachua
Browning, Mrs. May	Tampa	Hillsborough
Bryan, Mrs. Helen	Cross City	Dixie
Bryan, Louise	Coleman	Sumter
Bryan, Virginia	Coleman	Sumter
Bryant, Eula Lee	Gainesville	Alachua
Bryce, Edna Lucile	Ocala	Marion
Buckley, Rolf Kennard	Palatka	Putnam
Bullard, Thelma	Gainesville	Alachua
Bunting, Mattie	Madison	Madison
Burnett, Minnie Mae	New Smyrna	Volusia
Burnside, Myrtle Ellen	Dade City	Pasco
Burry, Gladys Sybil	Orange Lake	Marion
Byrd, Calhoun Yancy	Live Oak	Suwanee
Byrd, Pearl Gertrude	Hastings	St. Johns
Cadwallader, Marguerite	Princeton	Dade
Camp, Alma Victoria	Okeechobee	Okeechobee
Camp, Mary Flewellen	McIntosh	Marion
Campbell, Maggie	Lamont	Madison
Carleton, Boyd	Gainesville	Alachua
Carlton, Jimmie Elizabeth	Pavo	Georgia
Carnes, Carl C.	Florahome	Putnam

Name	*Postoffice*	*County or State*
Carr, Ruth Ellen	Auburndale	Polk
Carrier, Alice Bingham	Orlando	Orange
Carter, Edgar W.	Oxford	Sumter
Carter, Edith Elizabeth	Dade City	Pasco
Cason, Henry Vasco	Otter Creek	Levy
Cates, Wm. Hayward	Gainesville	Alachua
Cathcart, Jessie Nora	Wauchula	Hardee
Cawthon, Anne Whilden	Gainesville	Alachua
Chace, Hugh Ross	Ocala	Marion
Chaffee, Ruth Niven	DeLand	Volusia
Chaffer, Herbert Jones	Longwood	Seminole
Chaffin, Rosalie	Gainesville	Alachua
Chalker, Doris Beatrice	Brooksville	Hernando
Chambers, Harlee Pleasant	Leesburg	Lake
Chambers, Imo	Brooksville	Hernando
Champlin, Ralph	Jacksonville	Duval
Chatham, Robt. Foster	Arcadia	DeSoto
Chazel, Onie Cecilva	Ocala	Marion
Childers, Lula Virginia	Ft. Meade	Polk
Chittenden, Laura Adele	Sanford	Seminole
Christian, Mary Violet	Immokakee	Lee
Churchwell, Blanche Dell	Ft. White	Columbia
Cladakis, Nick John		Pinellas
Clark, Florence Edna	Mulberry	Polk
Clark, Mary Cornelia	Moore Haven	Glades
Clarke, Madge	Mulberry	Polk
Clayton, Erwin Americus	Aucilla	Jefferson
Clayton, Lily Sue	Ocala	Marion
Clement, Gertrude Rhoda	Bartow	Polk
Cobb, Mary Elizabeth	Baker	Okaloosa
Coe, Arthur Russell	Miami	Dade
Coffey, Cora Belle	St. Petersburg	Pinellas
Cogburn, Park Harry	Cottondale	Jackson
Cole, Elizabeth Greaton	Ocala	Marion
Colson, Shelby Herbert	Bell	Alachua
Connell, Pearle Inez	Pinetta	Madison
Connor, Miriam	Inverness	Citrus
Cook, Julia Alberta	Clermont	Lake
Cook, Lyle	Clermont	Lake
Cook, Nellie May	Clermont	Lake
Cooper, Bernice Mary	Apopka	Orange
Cooper, Mary Arden	Jacksonville	Duval
Corton, Edith Lyle	Apopka	Orange
Courtney, Mary	Palmetto	Manatee
Coward, Frances	Melrose	Alachua
Coward, Maud Alberta	Melrose	Alachua
Cowart, Lois	Madison	Madison
Crago, Arthur	Ocala	Marion
Crews, Vera	Wauchula	Hardee
Crom, Frank Russell	Gainesville	Alachua
Crow, Mrs. H. R.	Moore Haven	Glades
Crow, Ivey May	Umatilla	Lake
Cubberly, Helen F.	Gainesville	Alachua
Curington, Mary Ellen	Coleman	Sumter
Curtis, Myra Althea	Lake Wales	Polk
Cushing, Malcolm Alex	Panama City	Bay
Dale, Virginia	Gainesville	Alachua
Daniels, Leila Lavenia	Clermont	Lake
David, Mabel Claire	Tampa	Hillsborough
Davis, Bly	Delray	Palm Beach
Delegal, Weaver Edward	Live Oak	Suwanee
Dempsey, Hattie	Fletcher	Dixie

Name	Postoffice	County or State
Denham, Oliver	Reddick	Marion
Dew, Lynne Bernice	Alachua	Alachua
Dixon, Edward	Bronson	Levy
Dixon, Joseph	Bronson	Levy
Dodd, Ruby Anna	Orlando	Orange
Dodson, Chas. Lewis	Gainesville	Alachua
Dominick, Ina Mae Frances	Webster	Sumter
Dominick, Nancy Irene	Webster	Sumter
Donaldson, Malcolm Gilbert	Shady Grove	Taylor
Dorsett, Henry		Suwanee
Dorsey, Anne Elizabeth	Gainesville	Alachua
Dowdell, Mrs. Maria Hosmer	Wimauma	Hillsborough
Dowdell, Susan	Wimauma	Hillsborough
Driggs, Gladys Vera	Kicco	Polk
DuBose, Ruby Pearl	Vero	Alachua
Dudley, Edna	Newberry	Alachua
Duncan, Carrie Etta	Ft. White	Columbia
Duncan, Marcia A.	Palmetto	Manatee
Duncan, Orie Denellie	Ft. White	Columbia
Dutton, Alyce Carey	Avon Park	Highlands
Eaton, Sinclair Edward	Gainesville	Alachua
Ebbs, Ethel Alberta	Fruitland Park	Lake
Ebinger, Rollin Jesse	Tampa	Hillsborough
Edenfield, Lawrence	Grand Ridge	Jackson
Edwards, Anna Belle	Apalachicola	Franklin
Edwards, Lydia Annia	Sebastian	St. Lucie
Ellis, Blanche Carolyn	Mulberry	Polk
Esslinger, Marie	Gainesville	Alachua
Etheridge, Emmitt Culver	Geneva	Seminole
Ewing, Edwin Clark	Lake Worth	Palm Beach
Ewing, Jo Steele	Lake Worth	Palm Beach
Faber, Euretta Elizabeth	Enterprise	Volusia
Fair, Mrs. Eugenia	Port Orange	Volusia
Farster, Rura Robena	Wildwood	Sumter
Feagle, Mrs. Edna Lee	Winter Park	Orange
Feagle, Eudocia Panknee	Lake City	Columbia
Feagle, Wm. Barnett	Winter Park	Orange
Fennell, Alma Imogene	Gainesville	Alachua
Fernald, Horace Jas.	Wauchula	Hardee
Fichter, Elizabeth Louise	Rialto	Lee
Finlay, Bessie Mae	Kendrick	Marion
Fish, Swatie Irene	McClenny	Baker
Fletcher, Nyla Fay	Lakeland	Polk
Fogg, Grace Dell	Graham	Bradford
Fogg, Leta Mattie	Graham	Bradford
Fogg, Linnie Mae	Graham	Bradford
Folks, Rae	Juliette	Marion
Forbes, Mary Jane	Anthony	Marion
Forman, Geneva Itasca	Tampa	Hillsborough
Forner, Chas. Benj.	Dade City	Pasco
Forsling, Eben Verner	Pierson	Volusia
Foulks, Frank Marshal	Tampa	Hillsborough
Freeman, Loyce Caddie	Lithia	Hillsborough
Frese, Antionette Mary	Tampa	Hillsborough
Friedman, Laurie Fleurette	Jacksonville	Duval
Frink, Ally Sue	Ft. Pierce	St. Lucie
Frisbee, Selma	Middleburg	Clay
Fulford, Maude	Haines City	Polk
Gage, Emma	Seabreeze	Volusia
Gainer, Alton Parker	Fountain	Bay
Gaines, Ruby Geneva	Theressa	Bradford
Ganas, Marie Allen	Crescent City	Putnam

Name	Postoffice	County or State
Gandy, Marie Eva	Mulberry	Polk
Gardner, Ella Genevieve	Port Tampa City	Hillsborough
Gardner, Myrtle Elinor	Lakeland	Polk
Garside, Marion F.	St. Cloud	Osceola
Gaston, Ernest Sharon	Pinemount	Suwanee
Gault, Bess Pearl	Arcadia	DeSoto
Gault, Ruby Helen	Arcadia	DeSoto
George, Josie	High Springs	Alachua
Getch, Lucy Belle	Tampa	Hillsborough
Gilbert, Bessie	Chipley	Washington
Gillen, Patrick Henry	Ocala	Marion
Gillespie, Elsie B.	Newberry	Alachua
Gilliland, Myrtle Lee	Tampa	Hillsborough
Gilliland, Ruth	Tampa	Hillsborough
Gillis, Alexander Angus	Ponce de Leon	Holmes
Gilmore, Jas. Madison	Ocala	Marion
Ginter, Lillian Verna	Eau Gallie	Brevard
Glass, Leona Frances	Tampa	Hillsborough
Glass, Tessie Louise	Gainesville	Alachua
Glidewell, Grace Melvin	Jacksonville	Duval
Godwin, Drew Simeon	Morriston	Marion
Goette, Wm. L.	Eustis	Lake
Gordy, Mary Elizabeth	Cusseta	Georgia
Goulding, Ethel M.	Punta Gorda	Charlotte
Goulding, Robt. Lee	New Smyrna	Volusia
Gracey, Maurine	Gainesville	Alachua
Graham, Geo. Ransom	Lake City	Columbia
Graham, Gladys	Tampa	Hillsborough
Grant, Louise	Key West	Monroe
Gravely, Mae	Gainesville	Alachua
Gray, Leon Archer	Hinson	Gadsden
Greene, Frank Marion	Live Oak	Suwanee
Gresham, Mary	Bostwick	Georgia
Grier, Lucie	West Palm Beach	Palm Beach
Griffin, J. Pierce	Sanford	Seminole
Grillon, Florence Leota	Key West	Monroe
Gunn, Annie Mae	Gainesville	Alachua
Gunn, Errett Fillmore	Jacksonville	Duval
Gurr, Mrs. Olive Valillia	Chiefland	Levy
Haigh, May	Seabreeze	Volusia
Hait, Kenneth Blaidsell	Lynn Haven	Bay
Hall, Mrs. Bertha Ruhl	LaBelle	Lee
Hall, Robt. L.	Orange Heights	Alachua
Hall, Rubie Mae	Oklawaha	Marion
Halliburton, Mary Lucille	Hemming	Tennessee
Hamilton, Billie May	South Jacksonville	Duval
Hamilton, Cecil	Duquoin	Illinois
Hampton, Nettie Eunice	LaBelle	Lee
Hampton, Vera Caroline	LaBelle	Lee
Hancock, Mrs. C. C.	Okeechobee	Okeechobee
Hancock, Mattie	Lake City	Columbia
Hannon, Mary F.	Gainesville	Alachua
Hansen, Isabel	Tampa	Hillsborough
Hardee, Albert Pierson	Bronson	Levy
Hardee, Lucile Malvenia	Bronson	Levy
Hardee, Violet Lenora	Hague	Alachua
Hargrove, Juanita Cole	Tampa	Hillsborough
Hargrove, Ruth Douglas	Tampa	Hillsborough
Harrington, Belle Parish	Tampa	Hillsborough
Harris, Amy Lee	West Palm Beach	Palm Beach
Harris, Martha Florede	Gainesville	Alachua
Harris, Nannie D.	Winter Park	Orange

Name	Postoffice	County or State
Harrison, Clarence Arthur	Anthony	Marion
Harrison, Floyd Willie	Lynn Haven	Bay
Harrison, Kate Pheobe	Anthony	Marion
Harrold, Chester S.	Gainesville	Alachua
Hart, Auro Edith	Mayo	LaFayette
Hart, Ollie	Lakeland	Polk
Hartley, Lucy	Sutherland	Pinellas
Hartman, Annie Mary	Gunntown	Levy
Haseltine, H. A.	Tampa	Hillsborough
Hatcher, Effie Mae	Plant City	Hillsborough
Hathaway, Mrs. W. B.	Gainesville	Alachua
Hazen, Lucian Attis	Brooker	Bradford
Headley, Chauncey Green	Punta Gorda	Charlotte
Headley, Lillian Fambrough	Punta Gorda	Charlotte
Heckard, Frances Elizabeth	Gainesville	Alachua
Heffie, Harold Wm.	St. Augustine	St. Johns
Hemphill, Kate	Evinston	Alachua
Henderson, Dewey Miles	Baker	Okaloosa
Henderson, Emma Pauline	Atlanta	Georgia
Hendry, Mrs. Ethel D.	Arcadia	DeSoto
Hendry, Wm. Marion	Ft. Myers	Lee
Henry, Julian Rice	Quincy	Gadsden
Henry, Martha Irene	Quincy	Gadsden
Henson, Carolyn Lenora	Dania	Broward
Herlong, Myrtle C.	Crescent City	Putnam
Hiatt, Clifford R.	Gainesville	Alachua
Higginbotham, Hubert Samuel	Hastings	St. Johns
Higginbotham, Vera Ovesta	Sparr	Marion
Hill, Enoll Idyllwood	Wirmingham	Tennessee
Hill, Erin Rixford	Wellborn	Suwanee
Hill, Florence Rosalie	Homestead	Dade
Hill, Lena Viola	Wirmingham	Tennessee
Hill, Wilma Mae	Wirmingham	Tennessee
Hills, Paul Wm.	Panama City	Bay
Hinson, Lona Marie	Williston	Levy
Hinson, Mrs. M. R.	Gainesville	Alachua
Hinson, Murphy Roy	Hinson	Gadsden
Hoard, Kathleen	Summerfield	Marion
Hobbs, Jay DeRieux	Pierson	Volusia
Hodges, Bobie Lee	Boynton	Palm Beach
Hodges, Corrine	High Springs	Alachua
Hodges, Myra	Orlando	Orange
Hogan, Willie Ellen	Gainesville	Alachua
Holden, Phyllis	Fort Meade	Polk
Hollingsworth, Mrs. Ruth	Arcadia	DeSoto
Holloway, Agusta	Plant City	Hillsborough
Holly, Carrie	Ocala	Marion
Hood, Gladys Berneice	South Jacksonville	Duval
Hook, Stella Maris	Homestead	Dade
Horrell, Blanche Estelle	Arcadia	DeSoto
Hosford, Robt. Lamar	Hosford	Liberty
Howard, Mrs. Mary O.	Island Grove	Alachua
Howard, Roy Claud	Sanford	Seminole
Howell, Mary B.	Wellborn	Alachua
Howell, Janie Martha	Plant City	Hillsborough
Howell, Sam Boyce	Jennings	Hamilton
Howell, Wayne	Esto	Holmes
Hoyt, Robt. H.	Eustis	Lake
Hudgins, Maude Selene	Waldo	Alachua
Hudnall, F. Samuel	Ringgold	Louisiana
Hudnall, Jno. M.	Gainesville	Alachua
Hudson, Mrs. Frankie Edna	Trenton	Alachua

Name	Postoffice	County or State
Hughes, Dan, Jr.	Ponce de Leon	Holmes
Hughes, Randall Hubert	Miami	Dade
Hull, Madge	LaBelle	Lee
Huntley, Lois Richie	Astor Park	Lake
Hursthouse, Margaret Gable	Galloway	Polk
Huston, Mildred Louise	Sanford	Seminole
Hutchinson, Lilla Mae	Trenton	Alachua
Ingalls, Flora Anita	Zephyrhills	Pasco
Ivey, Florrie	Lakeland	Polk
Jackson, Lois,	Ft. Lauderdale	Broward
Jarvis, Flossie Eugenia	Ft. Lauderdale	Broward
Jeffords, Bessie Lee	Alachua	Alachua
Jennings, Lester Windsor	Gainesville	Alachua
Johns, Charley Eugene	Starke	Bradford
Johns, Pency Annie	St. George	Georgia
Johnson, Alex. Ralph	Laurel Hill	Okaloosa
Johnson, Arthur Fielbeen	Sutz	Hillsborough
Johnson, Mrs. Arthur F.	Laurel Hill	Okaloosa
Johnson, Mrs. Mary	Lake Butler	Union
Johnson, Mary Lillian	Arcadia	DeSoto
Johnson, Mrs. Myra	Florahome	Putnam
Johnson, Ollie Stanley	Jacksonville	Duval
Johnson, Queeme Carolina	Clearwater	Pinellas
Johnson, Roy E.	Holt	Santa Rosa
Johnson, Sadye Belle	Tampa	Hillsborough
Johnson, Mrs. Wille Crawford	Evinston	Alachua
Johnson, Willemae	Lake Butler	Union
Jones, Lucie Marian	Jacksonville	Duval
Jones, Myra	Sarasota	Sarasota
Jones, Thee Allen	Sanford	Seminole
Jordan, Lottie	Trenton	Alachua
Jordan, Virginia Lanier	Crescent City	Putnam
Kaminer, Emma Hawkins	Jacksonville	Duval
Kelly, James Homer	Carbur	Taylor
Kelly, Jno. Grady	Gainesville	Alachua
Kennard, Ruth	Newberry	Alachua
Kennon, Thos.	Hilliard	Nassau
Kephart, Clara Beulah	Interlachen	Putnam
Keys, Jas. Lester	Jefferson City	Tennessee
Kight, Henry Franklin	Live Oak	Suwanee
Kilcrease, Laundie Jackson	Baker	Okaloosa
Kincaid, Mary Elizabeth	Gainesville	Alachua
King, Walter Russell	Lakeland	Polk
Kinsey, Russell Wm.	Okeechobee	Okeechobee
Kirkland, Helen	Auburndale	Polk
Kirkland, Margaret E.	Auburndale	Polk
Kline, Lillian	Jacksonville	Duval
Knauer, Helen Louise	Jacksonville	Duval
Knight, Hollis Vaughn	Starke	Bradford
Knight, Mrs. T. S.	Charlotte Harbor	Charlotte
Knight, Union Gordon	Melbourne	Brevard
Kretschmar, Alice Mae	Bradentown	Manatee
Lamboley, Lonita Estelle	Hawks Park	Volusia
Lamons, Albert Brownlow	Gainesville	Alachua
Landrum, Annie Lee	Newberry	Alachua
Landrum, Hattie Mae	Otter Creek	Levy
Landrum, Viola Audrey	Williston	Levy
Langford, John Kirby	Lake Butler	Union
Langford, Maurice G.	Alachua	Alachua
Langworthy, Frederic Hopkins	Daytona Beach	Volusia
Larsen, Elizabeth Evangeline		Duval
Lashbrook, Mrs. Mayme	Atlantic	Georgia

Name	Postoffice	County or State
Latimer, Mrs. Lula	Palatka	Putnam
Layton, Margaret Hill	Gainesville	Alachua
Lee, Mrs. Annie Paradise	Moore Haven	Glades
Lee, Homer Basil	Melrose	Alachua
Lee, Ruby Myrtle	Parrish	Manatee
Lee, Winnie Leona	Ft. Myers	Lee
Leivonen, Lydia Elizabeth	Alachua	Alachua
Leland, Paul Ernest	St. Petersburg	Pinellas
Lemon, Jas. McWilliams	Gainesville	Alachua
Lennard, Oscar Dean	Indrio	St. Lucie
Leonard, John Richard	Gainesville	Alachua
Leonard, Lillie May	Sorrento	Lake
Leps, James McElroy	Winter Haven	Polk
Lewis, Lazarieus Britton	Bronson	Levy
Lewis, Pearl	Gainesville	Alachua
Lewis, Vega Lee	Ft. Myers	Lee
Limbaugh, Bessie Mae	Williston	Levy
Linstedt, Alice Marie	Hollandale	Broward
Liody, Irene Louise	St. Augustine	St. Johns
Lockhart, Mary Elizabeth	Lakeland	Polk
Long, Annie Laurie	Mayo	LaFayette
Lord, Mrs. Annie Bates	Orlando	Orange
Lord, Dorothy Charlebois	Gainesville	Alachua
Love, Bertha Lee	Trenton	Alachua
Love, Lillie	Trenton	Alachua
Lovell, Mildred Michael	Summerfield	Marion
Lundberg, Dorothy Edith	Interlachen	Putnam
Lyman, Mrs. Daisy Emma	West Palm Beach	Palm Beach
Lytle, Mrs. Lula G.	Jacksonville	Duval
McAlpin, Ira M.	Mayo	LaFayette
McArthur, James Neville	Madison	Madison
McCall, Floy Remington	Day	LaFayette
McCloud, Willie Mae	Pinemount	Suwanee
McCollum, Mrs. Carolina L.	Gainesville	Alachua
McCollum, Crystal Vivian	Daytona	Volusia
McCormich, Addie	LaBelle	Lee
McCormick, Katie	LaBelle	Lee
McCormick, Mrs. Mary Butler	LaBelle	Lee
McCormick, Mrs. Nannie McIntosh	Gainesville	Alachua
McCutcheon, Hope	Gainesville	Alachua
McCutcheon, Louise Frances	Gainesville	Alachua
McDonald, Ida Wimberly	Gainesville	Alachua
McDonald, Ruby Estelle	Century	Escambia
McDonnell, Lillian Esther	Miami	Dade
McDowell, David Franklin	Panama City	Bay
McEwen, R. O.	Newberry	Alachua
McFadden, Mary Lou	Alachua	Alachua
McFarlin, Mrs. J. F.	Moore Haven	Glades
McFarlin, Marguerite	Moore Haven	Glades
McGill, Edmund Robert	Waldo	Alachua
McInnis, Sam W.	O'Brien	Suwanee
McKay, Florence G.	Sanford	Seminole
McKay, Glenn E.	Sanford	Seminole
McKay, Mrs. Katherine E.	Sanford	Seminole
McKie, Marjorie	Augusta	Georgia
McKinney, Bessie Dill	Micanopy	Alachua
McKinney, Eula Lee	Micanopy	Alachua
McKinstry, Anne Isabel	Gainesville	Alachua
McKinstry, Belle Florence	Gainesville	Alachua
McLane, Eldredge F.	Greensboro	Gadsden
McLaughlin, Mary	St. Augustine	St. Johns
McLaws, Sarah Twiggs	Tampa	Hillsborough

Name	Postoffice	County or State
McLeod, Irma Louise	Arcadia	DeSoto
McLeroy, Mae	Trenton	Alachua
McMillan, Averil	Gainesville	Alachua
McNamara, Mary J.	Hilliard	Nassau
McNeill, Margaret S.	Kissimmee	Osceola
McNiel, Evalyn Louise	Jacksonville	Duval
McRae, Mary Helene	Green Cove Springs	Clay
McWhorter, Pearl	Umatilla	Lake
Mack, Lila Josephine	Reddick	Marion
Maddrey, Josie Lee	Gainesville	Alachua
Magill, Grace Ellen	LaBelle	Lee
Magill, Inez C.	LaBelle	Lee
MaGill, Maud	LaBelle	Lee
Maines, John Edward	Lake Butler	Union
Mallem, Wm. E.	Sanford	Seminole
Mansell, Mrs. Avis Audrey	Frostproof	Polk
Martin, Madie Louise	Knights	Hillsborough
Martin, Marie Hoyt	Moss Bluff	Marion
Martin, Olive Frances	Orange City	Volusia
Martin, Viola Jeanette	Lake Helen	Volusia
Matchett, Mabel	Citra	Marion
Mathews, Edward Lee	Bartow	Polk
Mathews, Mrs. Flora Agnes	Hawthorne	Alachua
Mathis, Carvel Charles	Hastings	St. Johns
Mathis, Frankie Elizabeth	Center Hill	Sumter
Mathis, Hilda	Gainesville	Alachua
Mawdsley, Jane Atherton	Jacksonville	Duval
Mayo, Mattie Lou	Dade City	Pasco
Meadows, Claire	Sparr	Marion
Meares, Mildred Louise	Clearwater	Pinellas
Meek, Mrs. Ida Ziegler	Jacksonville	Duval
Meeks, Farris D.	Farmsuth	Suwanee
Meeks, Oma M.	Morriston	Levy
Meixner, Mildred Elizabeth	Elkton	St. Johns
Melson, Katherine Lear	Jacksonville	Duval
Melton, Jas. Eugene	Ocala	Marion
Mercer, Leonard P.	Zolfo	Hardee
Mercer, Mrs. Vivian Amanda	Gainesville	Alachua
Merrin, Bessie Bibb	Plant City	Hillsborough
Mershon, Cecil Elizabeth	Lake City	Columbia
Metcalfe, Mrs. Willia A.	Live Oak	Suwanee
Mickler, Maynard	Ponce de Leon	Holmes
Middleton, Wm. Edward	Lynn Haven	Bay
Miley, Ettie Lenora	Plant City	Hillsborough
Miley, Leston	Plant City	Hillsborough
Miley, Pearl	Plant City	Hillsborough
Miller, E. H.	Reddick	Marion
Miller, Robt. Thomas	McAlpin	Suwanee
Milligan, Lillian Clara	Anthony	Marion
Mims, Edward Clarence	Denfield	Broward
Mobley, Mrs. Callie May	Webster	Sumter
Moody, Mary Elizabeth	Riverview	Hillsborough
Moon, Robt. Cary	Loganville	Georgia
Moon, Robt. Lee	Loganville	Georgia
Moon, Sarah Olive	Dunnellon	Marion
Moore, Alfred Thomas	Arcadia	DeSoto
Moore, Arthur B.	Baker	Okaloosa
Moore, Daisy Inez	Theressa	Bradford
Moore, Dewey Rex	Darlington	Walton
Moore, G.	Darlington	Walton
Moore, Myrtle	Crescent City	Putnam
Moore, Sinah Eugenia	Starke	Bradford

Name	Postoffice	County or State
Moran, Helen Virginia	Geneva	Seminole
Morford, Eva L.	Port Orange	Volusia
Morgan, Mrs. J. W.	Gainesville	Alachua
Morris, Chas. Franklin	Baker	Okaloosa
Morris, Jeanette Talbott	Gainesville	Alachua
Morrison, Pauline Lucile	Tampa	Hillsborough
Moseley, Mrs. Rebecca Shumate	Kathleen	Polk
Mosley, Mrs. Eddie Walters	Pinemount	Suwanee
Moss, Mrs. Mary	Jacksonville	Duval
Moul, Horace Clare	West Palm Beach	Palm Beach
Mounts, Marvin Umphrey	Gainesville	Alachua
Moye, Wm. Belmont	Sanford	Seminole
Moyer, Martin Hartwell	Ft. White	Columbia
Mozo, Oma Victoria	Sumner	Levy
Murray, Mrs. Leora May	Hawks Park	Levy
Myers, Thomas Luther, Jr.	Gainesville	Alachua
Nearing, Esther Agnes	Hastings	St. Johns
Nelson, Clarence Wm.	Titusville	Brevard
Nelson, Jessie Turley	Dunedin	Pinellas
Neuffer, Claude Victor	Jasper	Hamilton
Newby, Lucile M.	Sanford	Seminole
Niblack, Louise Marien	Dunnellon	Marion
Nichols, Robt. Cecil	Wildwood	Sumter
Niles, Margaret Isadore	Lucerne Park	Polk
Niswonger, Edith Belle	Kissimmee	Osceola
Niswonger, Iva Helena	Kissimmee	Osceola
Nolan, Mamie	Jacksonville	Duval
Noland, Clara Lenora	Ft. Ogden	DeSoto
Nordman, Leo B.	New Smyrna	Volusia
O'Bryant, Horace	Oxford	Sumter
O'Hara, Schley W.	Live Oak	Suwanee
Olson, Ludwig Ecrol	Gainesville	Alachua
Ormsby, Aubrey Cartwright	Larkins	Dade
O'Steen, Muriel Cleo	Alachua	Alachua
Osteen, Zeona Mary	Fairfield	Marion
Overton, Margaret Elizabeth	Ocala	Marion
Padgett, Mrs. Ruth	Gainesville	Alachua
Park, Joy Loucile	Avon Park	Highlands
Parks, Helen Elizabeth	Lake Hamilton	Polk
Parmenter, Wm. George	Orange Park	Clay
Parrish, Josie	Ocala	Marion
Parrish, Rubye Lee	Lake Butler	Union
Partin, Mildred Alice	Kissimmee	Osceola
Patterson, Chas. Edgerton	Muscogee	Escambia
Pattishall, Georgia Anna	Geneva	Seminole
Pattison, Jasmine Captolia	Winter Haven	Polk
Payne, Alva	Lake City	Columbia
Payne, Mrs. Ethel M.	Tampa	Hillsborough
Peacock, Avon Jackson	Plant City	Hillsborough
Peacock, Gladys Marguerite	Hawthorne	Alachua
Peaden, Porter Lee	Red Rock	Santa Rosa
Pease, Mary Dorothy	Key West	Monroe
Pedigo, Marie	Tampa	Hillsborough
Peeler, Ruth Beatrice	Gainesville	Alachua
Peeples, Earl Edward	Lake Butler	Union
Penuel, Mimms Richard	Lakeland	Polk
Perry, Mattie	Jacksonville	Duval
Persons, Chas. Wright	Summerfield	Marion
Peterson, Inez Ever	Morriston	Levy
Peterson, Walter S.	Brooklyn	New York
Phelps, Mrs. Mina Pollie	Alachua	Alachua
Philpot, Allia Mae	Trenton	Alachua

Name	Postoffice	County or State
Pickering, Mrs. Rebecca Logsdon	Eastport	Duval
Pinholster, Maree	St. Petersburg	Pinellas
Pinner, Hattie	Ellzey	Levy
Pitts, Henry Cornelius	Holt	Santa Rosa
Plaine, Rena Kathryn	Wauchula	Hardee
Plumb, Myrtle Maxine	Clearwater	Pinellas
Polk, Myrtice Louise	Hawthorne	Alachua
Ponce, Mrs. Jennie Elizabeth	Dinsmore	Duval
Poole, Annie Laurie	Ft. Myers	Lee
Pooser, Mrs. Maud Marie	Marianna	Jackson
Pope, Wana Winifred	St. Augustine	St. Johns
Porter, Annie	Jacksonville	Duval
Post, Clarence D.	Anthony	Marion
Powell, Blanche Constance	Gainesville	Alachua
Powell, Eva Reed	Starke	Bradford
Powers, John Lay	Wabasso	St. Lucie
Pratt, Margaret Elizabeth	Jacksonville	Duval
Price, Mildred Caldwell	Tampa	Hillsborough
Priest, Clarence P.	Anthony	Marion
Priest, Mrs. Jessie Nutting	Tampa	Hillsborough
Prince, Effie Varina	Island Grove	Alachua
Prince, Gertrude Evelyn	Micanopy	Alachua
Proctor, Carlos Ray	Ocala	Marion
Proctor, Donnie Ella	Ocala	Marion
Pryor, Geo. W.	Mary Esther	Okaloosa
Radford, Chas. Denson	Live Oak	Suwanee
Ragan, Mrs. Flossie Belle	Osprey	Manatee
Ragan, Guy Michael	Laurel	Sarasota
Ragsdale, Mary Frances	Jacksonville	Duval
Ralls, Annie	Arcadia	DeSoto
Ramsey, Louie Randall	Warrington	Escambia
Raulerson, Jessie Eunice	Pierson	Volusia
Raynor, Mrs. Ramona McLain	Sanford	Seminole
Reed, Harriet Beulah	Jacksonville	Duval
Reeder, Mrs. Laila Elizabeth	Palmetto	Manatee
Regester, Elvyn Austin	Bloomington	Indiana
Rembert, Mrs. Alma McCook	Eau Gallie	Brevard
Rembert, Haskell Greene	Eau Gallie	Brevard
Revels, Percy B.	Florahome	Putnam
Rhoden, Lola Cardonia	Macclenny	Baker
Rhoden, Lucinda Jane	Macclenny	Baker
Rice, Horace D.	Groveland	Lake
Rice, Joseph Davies	Gainesville	Alachua
Rice, Mrs. Maggie Wainwright	Miami	Dade
Richards, Clifford James	Ft. Dennard	Lee
Richards, Mrs. Florence	Palmetto	Manatee
Richards, Jas. Wilson	Baker	Okaloosa
Richards, Mary Irma	Palmetto	Manatee
Richbourg, Mavis	Crestview	Okaloosa
Rickard, Mrs. Celia	Ft. Myers	Lee
Ridaught, Horace Greeley	Johnson	Putnam
Ridaught, Roderick Jennings	Johnson	Putnam
Ridder, Esther Lula	Arcadia	DeSoto
Riley, Mrs. A. E.	Punta Gorda	Charlotte
Ringhausen, Lucy Sibley	Orlando	Orange
Rivero, Edelmira	Palatka	Putnam
Roach, Callie Allene	Williston	Levy
Roberts, Nina Mae	Immokalee	Lee
Roberts, Ola Virginia	Immokalee	Lee
Roberts, Verdie Ruth	O'Brien	Suwanee
Robertson, Margaret Elizabeth	Florida City	Dade
Robinson, Mary Elizabeth	Sanford	Seminole

Name	Postoffice	County or State
Roesel, Tillie A.	Bushnell	Sumter
Roof, Jos. S.	Live Oak	Suwanee
Rose, John Theron	Eastport	Duval
Ross, Mrs. F. L.	Pineland	Lee
Royals, Jessie Dial	Darlington	Holmes
Ryland, Lelia	Orange City	Volusia
Salmi, Annie Lydia	Alachua	Alachua
Sample, Mildred Arlene	Paisley	Lake
Sanders, Audrey Isla	Gainesville	Alachua
Sands, Thelma	Key West	Monroe
Sasse, Bertha Laura	Starke	Bradford
Saussy, Fred Waring	Hawkinsville	Georgia
Sawyer, Sybil Camille	Key West	Monroe
Schiller, Katharine Charles	Brooksville	Hernando
Scott, Isaac Elton	Alford	Jackson
Scotten, John Lewis	Gainesville	Alachua
Scotten, Rawley Wilson	Gainesville	Alachua
Seay, Margaret Olive	Gainesville	Alachua
Secrest, Mrs. Margaret Chance	Jacksonville	Duval
Sessoms, Mrs. Lilly	Bonifay	Holmes
Sharpe, Geraldine Ellen	Lynn Haven	Bay
Shaver, Marguerite Mary	Brooksville	Hernando
Shealey, Leygia May	Ocala	Marion
Shelbourne, Mrs. Alice Lyrene	Eau Gallie	Brevard
Shiver, Mrs. Sue Calhoun	St. Petersburg	Pinellas
Short, Maude Irma	Tampa	Hillsborough
Shorter, Maude Aurelia	St. Augustine	St. Johns
Shumate, Eugenia M.	Bartow	Polk
Simmons, Franklin P.	Milton	Santa Rosa
Simmons, Glenn Ballard	Ponce de Leon	Holmes
Simmons, Ralph A.	Jacksonville	Duval
Simms, Rosa Lee Cecelia	Hastings	St. Johns
Simonton, John Miller	Micanopy	Alachua
Sister Anna Maria	St. Augustine	St. Johns
Sister Annunciata	St. Augustine	St. Johns
Sister Mary Agatha	Jacksonville	Duval
Sister M. Agnita	St. Augustine	St. Johns
Sister Mary Alberta	St. Augustine	St. Johns
Sister Mary Boniface	St. Augustine	St. Johns
Sister Mary Brendan	Jacksonville	Duval
Sister M. Chrysostom	St. Augustine	St. Johns
Sister Mary Constance	Jacksonville	Duval
Sister Mary Kevin	Miami	Dade
Sister Mary Regina	St. Augustine	St. Johns
Sister Mary Thecla	Jacksonville	Duval
Sister St. Andrew	Jacksonville	Duval
Sister Theresa Joseph	Jacksonville	Duval
Sivia, Fred Curtis	Live Oak	Suwanee
Skeen, Jimison F.	Leesburg	Lake
Slaughter, Iva	Bell	Alachua
Slaughter, Myrtle Vern	Bell	Alachua
Slaughter, Sidney L.	Bell	Alachua
Sleap, Eva Russelle	Palatka	Putnam
Slone, Carrie Laura	Mascotte	Lake
Smith, Clio Palmer	Jennings	Hamilton
Smith, Ednarae	Gainesville	Alachua
Smith, Mrs. Helen Opal	St. Petersburg	Pinellas
Smith, Jos. G.	Tignall	Georgia
Smith, Lornie	Jennings	Hamilton
Smith, Mary Clyde	Jennings	Hamilton
Smith, Nellie M.	Green Cove Springs	Clay
Smith, Rosa Mae	Newberry	Alachua

Name	Postoffice	County or State
Smith, Mrs. Susie Howard	Bradentown	Manatee
Smithson, Fannie	Lake City	Columbia
Smoak, Nina McIntosh	Crescent City	Putnam
Snavely, Bessie Rebecca	Tampa	Hillsborough
Souter, Shelton	Ocala	Marion
Sparkman, Amos Lamar	Plant City	Hillsborough
Sparkman, Christine	Crystal River	Citrus
Spencer, Carolyn Evans	Sanford	Seminole
Sprinkle, Mrs. Iva Townsend	Lake Butler	Union
Stafford, Lila	Leesburg	Lake
Stafford, Marguerite	Tampa	Hillsborough
Stanley, Richard Lee	Gainesville	Alachua
Stanley, Wm. Alfred	Jacksonville	Duval
Stebbins, Emory Gilbert	Zephyrhills	Pasco
Stebbins, Mrs. Mary Eva	Zephyrhills	Pasco
Steele, Allen Colby	Milton	Santa Rosa
Stephens, Mrs. W. H.	Apopka	Orange
Stevens, Mrs. Ethel Bell	Orlando	Orange
Stevens, Martha	Orlando	Orange
Stewart, Annie Claire	Eau Gallie	Brevard
Stewart, Katie Lee	Groveland	Lake
Stewart, Mrs. Laura Frances	Zephyrhills	Pasco
Stewart, Marie Ella	Zephyrhills	Pasco
Stinson, Ida Foye	DeFuniak Springs	Walton
St. John, Newton Don	Daytona Beach	Volusia
Stone, Ruth Eloise	Oklahoma City	Oklahoma
Stovall, Barbara	Jacksonville	Duval
Strange, Irma Lucile	Jacksonville	Duval
Strickland, Judson Wm.	Homestead	Dade
Strickland, Mary Ethel	Williston	Levy
Strong, Winifred Leffler	Palatka	Putnam
Sullivan, Dorothy Altman	Atlantic Beach	Duval
Sullivan, Frances Ewart	Atlantic Beach	Duval
Sumner, Wesley Everett	St. Petersburg	Pinellas
Sutton, M. Helen	Mulberry	Polk
Swartz, U. G.	Gainesville	Alachua
Sweat, Lucille	Geneva	Seminole
Sweeney, Paul J.	Gainesville	Alachua
Sweeting, Jennie Johnson	Key West	Monroe
Sweeting, Mizpah Gladys	Key West	Monroe
Swindle, Curtis Weldon	Chipley	Washington
Swoope, Frances Eleanor	New Smyrna	Volusia
Tarlowski, Mary	Monticello	Jefferson
Tarrer, Margaret Evelyn	Ft. Myers	Lee
Taylor, Emmett	St. Augustine	St. Johns
Taylor, Martha	Gainesville	Alachua
Taylor, Mary A.	Tampa	Hillsborough
Taylor, Sallie Emily	LaBelle	Lee
Taylor, Velma	Gainesville	Alachua
Terwilleger, Helen Bruce	Sanford	Seminole
Thomas, Clara	Gainesville	Alachua
Thomas, Clarence Strouse	Gainesville	Alachua
Thomas, Horace Jennings	Jackson	Georgia
Thomas, Lacy Glenn	Baldwin	Duval
Thomason, Richard Locke	Umatilla	Lake
Thompson, J. Allen	Oviedo	Seminole
Thompson, Jeanette K.	West Palm Beach	Palm Beach
Thompson, Mrs. J. N.	Oviedo	Seminole
Thompson, Laudious Lawrence	Tarpon Springs	Pinellas
Thornhill, Newell Benj.	Eagle Lake	Polk
Timmons, Dayal Edgar	Ft. Myers	Lee
Tompkins, Granville B.	Center Hill	Sumter

Name	Postoffice	County or State
Toms, Willard Henry	Waycross	Georgia
Torrible, Mrs. Geo. Howard	Mayport	Duval
Townsend, Leslie Margaret	Arlington	Duval
Townsend, Lewis Franklin	Arlington	Duval
Travis, John Perry		Pinellas
Truby, Bill Irving	Gainesville	Alachua
Trump, Mrs. Mary	Arcadia	DeSoto
Tucker, David J.	Williamstown	South Carolina
Tucker, Ethel Irine	Sebastian	St. Lucie
Tucker, Genevieve	Williamstown	South Carolina
Tucker, Hazel Cooper	Madison	Madison
Tucker, Lila King	Madison	Madison
Turner, Ernest Pomeroy	Trenton	Alachua
Turner, Marcia Carolyn	Rochelle	Alachua
Underhill, Edna	Barberville	Volusia
Valentine, Marianne Adella	Melbourne	Brevard
Vann, Eula Kathleen	Madison	Madison
Vanse, Mrs. Ada Worley	Johnson	Putnam
Van Valkenburg, Elizabeth Alberta	West Palm Beach	Palm Beach
Varnes, Clifford Lucile	Sumner	Levy
Vaughan, Malvina	Center Hill	Sumter
Vaughn, Inez Louise Jane	Ocala	Marion
Vause, Ida Irene	E. Palatka	Putnam
Wainright, Gladys Brice	Pierson	Volusia
Waits, Mildred Louise	Hawthorne	Alachua
Walker, Chas. H.	Gainesville	Alachua
Walker, Judson Buron	Baker	Okaloosa
Walker, Rosa Lee	Gainesville	Alachua
Wallace, Ellen	Tallahassee	Leon
Wallace, Jeanie Dorothy	Williston	Levy
Walling, Iris	Weirsdale	Marion
Wallis, Thomas Henry	Ocala	Marion
Wamble, Minnie Lee	Estero	Lee
Ward, Robt. Fulton	Atmore	Alabama
Warren, Bertha Estelle	Palmetto	Manatee
Warren, Lottie Eugenia	Starke	Bradford
Wasdin, John Alvin	Graham	Bradford
Wasdin, LeRoy	Graham	Bradford
Waters, Edna Mae	Kendrick	Marion
Watson, Clementine Alexandria	Ellenton	Manatee
Watson, Mrs. Eloise	Jacksonville	Duval
Watson, Martha Adine	Starke	Bradford
Watson, Neill Huber	Gainesville	Alachua
Watson, Wilma Ruth	Gainesville	Alachua
Wayne, Gertrude Mae	Alachua	Alachua
Weathers, Wm. Frank	St. Augustine	St. Johns
Weaver, Bill Simpson	Bristol	Liberty
Webb, Luther	Tylertown	Mississippi
Weeden, Frederick Renfroe	Tampa	Hillsborough
Weeks, Bessie Freeman	LaCrosse	Alachua
Wells, Ethlyn Marie	Jacksonville	Duval
Wells, Mary	Dunnellon	Marion
Welsh, Donald	St. Joseph	Missouri
Wesley, Leita Amis	Pt. Washington	Walton
Wesley, Mary Elizabeth	Pt. Washington	Walton
Wesson, Mrs. H. S.	Ocala	Marion
West, Alma Chaffin	Gainesville	Alachua
West, Thomas Franklin, Jr.	Gainesville	Alachua
Westbrook, Albert Theodore	Clermont	Lake
Wheeler, Bureon Kylus	Montverde	Lake
Wheeler, Isabel Sybil	Key West	Monroe
Wheeler, Jos. Augustus	Dowling Park	Suwanee

Name	*Postoffice*	*County or State*
Wheeler, Jos. Drew	Gainesville	Alachua
Whetstone, Mattie Elizabeth	Sutherland	Pinellas
Whidden, Stella Vivian	Mulberry	Polk
White, Alec	Tampa	Hillsborough
White, Marjorie	Gainesvlle	Alachua
White, Mary	Adairsville	Georgia
White, Millard Brown	Gainesville	Alachua
White, Orion M.	Ft. Myers	Lee
Whitehead, Ruth Hester	Hollister	Putnam
Whitehurst, Connie Ora	Tampa	Hillsborough
Whiteside, Mrs. James J.	Ocala	Marion
Whitman, Helen Isabel	Wauchula	Hardee
Whitton, Frank C.	Ponce de Leon	Holmes
Whitton, John Carl	Ponce de Leon	Holmes
Wilder, Maude	Branford	LaFayette
Williams, Angelo David	Gainesville	Alachua
Williams, Bertha Lee	St. Cloud	Osceola
Williams, Beulah Catherine	Ellzey	Levy
Williams, Clarence Henry	Barwick	Georgia
Williams, Mrs. Clarence Henry	Barwick	Georgia
Williams, DeWitt Everett, Jr.	Williston	Levy
Williams, Elsie L.	Gainesville	Alachua
Williams, Elsie Mae	Hardeetown	Levy
Williams, Jas. Jay	Jacksonville	Duval
Williams, Jos. Edward	Kissimmee	Osceola
Williams, Julia	Oviedo	Seminole
Williams, Rabun H.	Alachua	Alachua
Willis, Thelma May	Largo	Pinellas
Willoughby, Alice Elizabeth	Gainesville	Alachua
Willoure, Annie Holding	Brooker	Bradford
Wilson, Fannie Evlyn	Webster	Sumter
Wimberly, Nannie	Orange Springs	Marion
Winfield, Jas. Andrew	O'Brien	Suwanee
Winslow, Miriam Leila	Bushnell	Sumter
Winter, Thurston P.	Oakland	Orange
Wise, Jacob Hooper	Gainesville	Alachua
Withers, Aubrey V.	Millville	Bay
Witt, Cecil Alvin	Alachua	Alachua
Witt, Myrtice Leonorah	Lake City	Columbia
Witt, Otto V.	Lake City	Columbia
Witter, Frank H.	Gainesville	Alachua
Wolf, Floyd Emil	St. Petersburg	Pinellas
Wooten, Helen Margaret	Sutherland	Pinellas
Wrench, Frank Augustus	Gainesville	Alachua
Wright, Myrtle Evaline	Jacksonville	Duval
Yon, Marie	Blountstown	Calhoun
Yon, Peyton Lockey	St. Andrews	Bay
Young, Alma	Juliette	Marion
Young, Mary Elizabeth	Jacksonville	Duval
Young, Mattie Elizabeth	Tampa	Hillsborough
Young, Ruth A.	Oviedo	Seminole
Zellers, Wm. Cook	Haines City	Polk
Zellner, Leila Marjorie	Floral City	Citrus
Zetrouer, Eula	Micanopy	Alachua
Zetrouer, Horace Feaster	Rochelle	Alachua
Zimmerman, Edith Elizabeth	Arcadia	DeSoto

FARMERS' WEEK, 1922

Live Stock

Name	*Postoffice*	*County or State*
Abbott, J. S.	Hastings	St. Johns
Atwater, W. C.	High Springs	Alachua
Atwater, F. B.	Gainesville	Alachua
Bass, Mrs. J. Pope	Pierce	Polk
Bass, J. Pope	Pierce	Polk
Bunting, Nellie	Madison	Madison
Burgess, J. M.	Tallahassee	Leon
Blount, T. W.	Gretna	Gadsden
Bryan, Needham W.	Monticello	Jefferson
Dodson, J. B.	Gainesville	Alachua
Fish, J. G.	Tallahassee	Leon
Foster, Robt. E.	Interlachen	Putnam
Goode, L. L.	Gainesville	Alachua
Hughes, I. S.	Madison	Madison
Heiberger, Margaret B.	Brooklyn	Clay
Heiberger, R. C.	Brooklyn	Clay
Hodges, E. C.	Live Oak	Suwanee
Ingraham, W. B.	Brooklyn	Clay
Johnson, V. C.	Dinsmore	Duval
Jones, Jesse M.	Norfolk	Virginia
Knapp, J. V.	Tallahassee	Leon
Lawerence, F. R.	Eustis	Lake
Leonard, M. E.	Kueka	Putnam
Law, Mrs. Chas. G.	Tallahassee	Leon
Masters, W. A.	St. Augustine	St. Johns
Mathews, B. F.	Micanopy	Alachua
Mathews, Mrs. B. F.	Micanopy	Alachua
Matthews, C. E.	Live Oak	Suwanee
Mueller, J. E.	Gainesville	Alachua
Nowlin, R. E., Jr.	Lakeland	Polk
Nelson, Fred	Interlachen	Putnam
Palmer, C. B.	Tallahassee	Leon
Russell, Thos. F.	Bartow, R. F. D. 2	Polk
Short, J. A.	Gainesville	Alachua
Saunders, Mrs. S. S.	Dunedin	Pinellas
Schmidt, Franz	Live Oak	Suwanee
Saline, R. C.	Interlachen	Putnam
Snodgrass, H. L.	Meadville	Pennsylvania
Studstill, E.	Trenton	Alachua
Teele, Albert H.	Dania	Broward
Teele, Mary E.	Dania	Broward
Thompson, Mrs. S. K.	Parrish	Manatee
Turbyfill, L. S.	Hollister	Putnam
Turbyfill, L.	Hollister	Putnam
Trice, J. L., Jr.	Anona	Wakulla
Tyler, Mrs. G. A.	Osteen	Volusia
Vermeulen, M. W.	Mannville	Putnam
Vermeulen, Richard	Mannville	Putnam
Vermeulen, Mrs. M. W.	Mannville	Putnam
Whitehurst, Alberta	Gainesville	Alachua
Wells, Emmett L.	DeFuniak Springs	Walton
White, R. C.	Chattahoochee	Gadsden
Whitehurst, J. P.	Gainesville	Alachua
Whitehurst, Mrs. J. P	Gainesville	Alachua
Willes, D.	DeLand	Volusia

Horticulture

Name	*Postoffice*	*County or State*
Birnbouan, Anton	South Jacksonville	Duval
Chamberlin, R. G.	Micanopy	Alachua
Cobb, Mrs. Albert A.	Lakeland	Polk
Dempsey, Mrs. L. M.	Williston	Levy
Dunning, Milton C.	Gainesville	Alachua
Darby, M. E.	Crystal River	Citrus
Futch, J. E.	Gainesville	Alachua
Grace, W. E.	Ft. Pierce	St. Lucie
Hare, John L.	Micanopy	Alachua
Houston, J. E.	Sopchoppy	Wakulla
Kennedy, F. S.	Williston	Levy
Lawton, B. E.	Madison	Madison
Lee, Con. O.	Tampa	Hillsborough
Leonard, Geo. V.	Hastings	St. Johns
London, Jas. S.	Crooked Lake	Polk
Mader, John S.	Bayard	Duval
Massey, Lloyd	South Jacksonville	Duval
Massey, W. C.	South Jacksonville	Duval
Rapp, D. G.	Umatilla	Lake
Roberts, J. M.	Sopchoppy	Wakulla
Starnes. B. M.	Tampa	Hillsborough
Sedgwick, Ralph	Vero	St. Lucie
Simmons, H. H.	Archer	Alachua
Whitehead, C. F.	Long Branch	Clay
White, Orion M.	Gainesville	Alachua
Webb, C. N.	Canal Point	Palm Beach
Woods, L. P.	Tampa	Hillsborough

Home Economics

Name	*Postoffice*	*County or State*
Burger, Mrs. O. F.	Gainesville	Alachua
Bowen, Eschol	Gainesville	Alachua
Barfield, Elsie	Caxambas	Lee
Barfield, Mrs. J. M.	Caxambas	Lee
Barnes, Mrs. G. W.	Myakka City	Manatee
Clyatt, Mrs. Grady	Micanopy	Alachua
Champlin, Mrs. Verne B.	Jacksonville	Duval
Blake, Mrs. R. C.	Dade City	Pasco
Beegs, Mrs. C. F.	Madison	Madison
Chamberlin, Mrs. G. S.	Micanopy	Alachua
Dorsey, Anne Elizabeth	Gainesville	Alachua
Foster, Mrs. Robt. E.	Interlachen	Putnam
Gunn, Mrs. C. D.	Gainesville	Alachua
Hare, Mrs. J. L.	Micanopy	Alachua
Massey, Mrs. Emma	South Jacksonville	Duval
Massey, Mrs. Mahala	South Jacksonville	Duval
Nelson, Mrs. F.	Interlachen	Putnam
Odom, Ora	Gainesville	Alachua
Rockwell, Gertrude M.	Gainesville	Alachua
Sipprell, Floresa	Palatka	Putnam
Scott, Audrey	Madison	Madison
Saline, Mrs. R. C.	Interlachen	Putnam
Sanbron, Mrs. N. W.	Gainesville	Alachua
Tucker, Genevieve	Williamston	South Carolina
Vermeulen, Mrs. Richard	Mannville	Putnam
Wheeler, Mrs. J. A.	Key West	Monroe
Witter, Mrs. F. H.	Gainesville	Alachua
Youngblood, Mrs. A. A.	Waldo	Alachua

Mixed Courses

Name	*Postoffice*	*County or State*
Barnes, O. W.	Myakka City	Manatee
Barnett, W. E. E.	Mt. Dora	Lake
Clyatt, Grady	Micanopy	Alachua
Castead, H. J.	Mannville	Putnam
Crown, J. S.	Gainesville	Alachua
Deshazo, J. H.	DeFuniak Springs	Walton
Edwards, D. G.	Gainesville	Alachua
Flynn, Wm. D.	Jacksonville	Duval
Gauzeno, J. E.	Elkton	St. Johns
Goss, J. H.	St. Augustine	St. Johns
Green, G. M.	Lake City	Columbia
Gunn, C. D.	Gainesville	Alachua
Herndon, C. H.	Waycross	Georgia
Herlong, Z. C.	Micanopy	Alachua
Hanson, H. C.	Osteen	Volusia
Johnson, Roy R.	DeLand	Volusia
Lee, Thos. G.	Orlando	Orange
Landrum, R. L.	Branford	Suwanee
Landrum, Lee Roy	Branford	Suwanee
Millin, C.	Waycross	Georgia
McLendon, H. S.	St. Augustine	St. Johns
Means, L. E.	Gainesville	Alachua
Schumann, F. A.	Cassia	Lake
Simons, George W., Jr.	Jacksonville	Duval
Thompson, S. K.	Parrish	Manatee
Thompson, Robt. K.	Sarasota	Sarasota
Traxler, J. O.	St. Augustine	St. Johns
Tyler, G. A.	Osteen	Volusia
Reems, Jesse	Quincy	Gadsden
Whittington, R. R.	Panama City	Bay
Walters, H. S.	Live Oak	Suwanee

SUMMARY

Graduate School		10
College of Arts and Sciences		405
College of Agriculture—		
College	127	
Two-Year Course	8	
One-Year Course	23	
Four-Months Course	3	
Elementary Vocational Course	149	
		310
College of Engineering		177
College of Law		227
Teachers College and Normal School—		
College	49	
Normal School	24	
Summer School, 1922	895	
		968
Elementary Vocational Course, Radio, etc		31
Total Enrollment for 1922-23		2128
Counted twice		50
		2078
Number attending Farmers' Week, 1922		141
Grand Total		2219

SUMMARY BY STATES AND FOREIGN COUNTRIES

	Summer Session 1922	Regular Session 1922-23
Alabama	0	3
Arkansas	0	1
Canada	0	1
China	0	1
Connecticut	0	1
Cuba	0	1
Egypt	0	1
Florida	865	1102
Georgia	16	18
Illinois	1	2
Indiana	0	3
Kentucky	0	3
Louisiana	1	1
Maryland	0	3
Massachusetts	0	3
Minnesota	0	1
Mississippi	1	0
Missouri	1	0
New York	1	6
North Carolina	0	4
North Dakota	0	1
Ohio	0	4
Oklahoma	1	0
Pennsylvania	0	7
South Carolina	3	4
Tennessee	5	5

	Summer Session 1922	Regular Session 1922-23
Texas	0	1
Turkey	0	2
Virginia	0	4
Total for Summer and Regular Sessions	895	1183
Grand Total		2078

SUMMARY BY COUNTIES

	Summer Session 1922	Regular Session 1922-23
Alachua	151	161
Baker	3	1
Bay	11	13
Bradford	17	12
Brevard	9	14
Broward	5	3
Calhoun	1	3
Charlotte	5	1
Citrus	3	10
Clay	4	10
Columbia	11	16
Dade	11	65
DeSoto	15	8
Dixie	2	1
Duval	55	112
Escambia	5	34
Franklin	1	5
Gadsden	5	14
Glades	5	0
Hamilton	6	4
Hardee	8	15
Hernando	4	2
Highlands	2	9
Hillsborough	50	94
Holmes	11	5
Jackson	4	14
Jefferson	2	4
Lafayette	5	2
Lake	25	21
Lee	27	16
Leon	1	24
Levy	25	7
Liberty	2	0
Madison	9	3
Manatee	12	20
Marion	58	20
Monroe	11	15
Nassau	2	4
Okaloosa	11	8
Okeechobee	3	5
Orange	16	40
Osceola	8	10
Palm Beach	11	17
Pasco	9	8
Pinellas	22	63
Polk	34	45

	Summer Session 1922	Regular Session 1922-23
Putnam	24	15
Saint Johns	20	16
Saint Lucie	6	5
Santa Rosa	5	7
Sarasota	2	1
Seminole	25	17
Sumter	19	6
Suwanee	24	12
Taylor	2	1
Union	8	12
Volusia	25	23
Walton	5	15
Wakulla	0	2
Washington	3	12
Totals from sixty Florida Counties	865	1102
Totals from other States and Foreign Countries	30	81
Net Totals	895	1183
Total for Summer and Regular Sessions		2078

INDEX

PAGE
A.B. Curriculum 56
A.B. in Education, Curriculum 162
A.B. in the Social Sciences 57
Absences 31, 35
Academic and Law Degrees, Combined 56
Accounting 83
Administration 30
Administration, School 168, 172
Admission 44, 49
Admission to the Bar 151
Admission to Law College, change in requirements for 147
Adolescence 169
Adult Specials 34
Advanced Standing 49
Agents' Annual Meetings 125
Agents, Cooperative Demonstration Work 122
Agricultural Chemistry 104
Agricultural Club 96
Agricultural Education 108
Agricultural Engineering 94, 105, 107, 177
Agricultural Extension Division 120
Agricultural Journalism 108
Agricultural Organizations, Study of 96
Agriculture, College of 92
Agriculture, Short Courses in 115
Agronomy 93, 105, 177
Algebra 178
Alligator, Florida 44
Alpha Phi Epsilon 72
Alumni Association 42
A.M. 51
American Literature 47, 70
Ancient Languages 59
Animal Husbandry, etc. 108
Appointments to Army 194
Arts and Sciences, College of 53
Arts, Mechanic. See Mechanic Arts.
Assignment to Classes 32
Astronomy 80
Athletic Association 43
Athletic Coaching 188, 189
Athletics (See also Physical Education) 30, 35
Attendance (See also Roll of Students) 31
Auditorium 23
B.A. See A.B.
Bacteriology 63
Band 44, 194
Banking 82
Bar, Admission to 151
Barns 95
Barracks 23
Branch Experiment Stations 120
Beef Production 109
Biblical Instruction 61
Biology 62, 178
Board 38
Board of Control 4, 30
Board of Education, State 4

PAGE
Board, Summer School 4
Books 38
Botany 47, 62, 115
Boys' Clubs, etc. 124, 126
B.S. Curriculum 58
B.S. Curricula in Agriculture 99, 103
B.S. Curricula in Education 162, 164, 166
B.S. Curriculum in Pharmacy 87
B.S. C. E. Curriculum 132
B.S. Ch. E. Curriculum 136
B.S. E.E. Curriculum 133
B.S. M. E. Curriculum 134
Breeding 109
Breeds of Animals 108
Buildings 21-23
Bureau, Teachers' Employment 183
Business Administration 82
Calendar, University 3
Camps, Summer 193
Campus 21
C. E. 131
Certificates 188, 205
Ch. E. 131
Changes in Studies 33
Charges, University 37
Chemical Engineering 144
Chemical Society 54
Chemistry 47, 65, 67, 104, 178
Child Study 170
Choice of Studies 32
Citrus Culture, etc. 114
Citrus Seminar 127
Civics 177
Civil Engineering 137
Civil Government. See Civics.
Classes, Assignment to 32
Clubs 35, 127
Coaching, Certificate in 188
College of Agriculture 92, 197
College of Arts and Sciences 53
College of Engineering 129, 198
College of Law 147, 198
College, Teachers 160, 162, 198
Combined Academic and Law Courses 56
Commissions (in Infantry Reserve Corps) 194, 205
Committees of the Faculty, Standing 15
Common Law Pleading 153
Community Institutes and Conferences 200
Community Play 201
Composition 47, 177
Conditions 32
Conduct 31
Constitutional Law 74, 154, 155
Contracts 152, 153
Control, Board of 4, 30
Cooperative Demonstration, Farmers' 122
Corn Clubs 126
Correspondence Courses, etc. 117
Cosmopolitan Club 44
Council, University 4, 30

PAGE
County Agents 121, 125
County Certificates, Teachers' 182
Counties, Attendance by.... 245
Credit towards Degrees (See also Degrees).... 182
Credits for Practical Work.... 98
Crops 105
Dairy Equipment 94
Dairying 110
Deans 30
Debating Council 43
Debating, Honorary Fraternity 72
Deciduous Fruits 114
Degrees 32, 54, 85, 98, 131, 150, 160, 203
Delinquencies 32
Demonstration Agents 122
Demonstration Work, Cooperative 122
Descriptive Geometry 142
Diagnosis, Educational. See Educational Diagnosis.
Diseases of Farm Animals 112
Dissertation 52
Division of Athletics and Physical Education 187
Division of Military Science and Tactics.... 192
Division of Rehabilitation.... 197
Donations. See Gifts.
Dormitories 21, 38
Drainage 107
Dramatic Association 44
Drawing 145
Drill 193
Earning Expenses, Opportunities for.... 39
Economics 81
Education 168
Education, Agricultural 108
Education, Vocational. See Vocational Education.
Educational Diagnosis 171
Educational Hygiene 171
Educational Information Bureau 202
Educational Psychology 170
E. E. 131
Electives 46, 143, 162
Electrical Engineering 140
Elementary School Curriculum 171
Eligibility to Athletic Teams, etc. 35
Employment Bureau, Teachers'.... 183
Engineering, Chemistry 144
Engineering, College of 129
Engineering Exposition 71
Engineering Practice 46
Engineering Society, Benton 131
English 47, 68, 177
Entrance Requirements. See Admission.
Equipment 21-24, 30, 85, 93, 193
Examinations 31, 45, 129
Expenses 37, 39, 150, 180, 182
Experience Required, Practical Farm.... 98
Experiment Station, Agricultural 118, 120
Exposition, Engineering. See Engineering Exposition.
Expression 71
Extension of Teachers' Certificates 182
Extension Division, General 199

PAGE
Extension, Teaching 199
Faculty 5, 31
Failure in Studies 33
Fairs 95
Farm Crops 105
Farm Machinery 107
Farm Management 106
Farmers' Cooperative Demonstration Work 122
Farmers' Four-Month Courses 116
Farmers' Week 116, 127
Farming, Certificates for Work in 115
Farms 93
Feeding, Animal 108
Fees. See Expenses.
Fellowships 40
Fertilizers 106
"Fifty-per-cent" Rule 33
Finance 82
Finances (Student Organizations) 36
First Aid to Injured 191
Floriculture 114
Forage Crops 105
Foreign Countries, Attendance from 244
Forestry 115
Forge 146
Foundry 146
French 76
Fruits 114
Furniture 38
Gardening, Landscape 115
Gas Engines 143
Gears, Valve 144
General Information Bureau 201
Geography, Physical 48
Geology 65
Gifts 17, 24, 97
Girls' Clubs 126
Glee and Guitar Clubs 44
Government, Courses in 73
Government of the University 30
Grades and Reports 33
Graduate School 51
Grammar 47, 177
Graphic Statics 138
Grasses 105
Greek 60
Grounds 21
Groups 55, 163
Gymnasium 23
Gymnastics 190
Halls 21
Hazing 31
Health Instruction 185
Heat Engines. See Thermodynamics.
High-School Visitation 183
High-School Curriculum 169, 172
Highways 138
History 47, 72, 73, 177
History and Philosophy of Education 170
History of the University 18

PAGE
Home Demonstration 126
Home Demonstration Agents 122
Honor Committee 43
Honors 36, 206
Horticulture 94, 113
Hospital 23
Hours, Minimum and Maximum 56
Human Engineering 83, 144
Husbandry, Animal 94
Hydraulics 139
Hygiene, Division of 185
Income 21
Industrial Teachers 173
Industries, Trades and, Curriculum 166
Infirmary Fee 37
Insects, Citrus 113
Insurance 156
Intelligence Test 32
International Law 74, 159
Irregular Students 35
Irrigation 107
J. D. 150
Kinematics of Machinery 142
Laboratories 26-29
Laboratory Fees. See Expenses.
Labor Problems 82
Landscape Gardening 115
Latin 45, 59, 177
Law, College of 147
Law College, change in Requirements for Admission to 147
Law Course, Combined Academic and 56
Lecture, Bureau, etc. 201
Lecturers, Special, College of Agriculture 92
Lectures, General 16
Legumes 105
Libraries 24, 25, 93, 149. 161
Live Stock 95
Live Stock Roundup 127
Literary Societies 43, 54
Literature, English 68
LL.B. Curriculum 152
Loan Funds 41, 97
Loans and Donations of Farm Machinery 97
Location of University 20
Lodging 38
Logic 77
M. A. 51
M. E. 131
M. S. 51
Machine Design, etc. 142
Major (Subject of Study) 56
Management, Farm 105
Management, School 168
Mandolin Club 44
Manual Training. See Mechanic Arts.
Marshall Debating Society 150
Materia Medica 91
Mathematics 48, 71, 74, 178
Mechanic Arts 145, 178
Mechanical Engineering 142

PAGE
Mechanics, Analytic and Applied 143
Mechanism 142
Medals 36, 206
Medical Treatment 186
Medicine. See Pre-Medical Course.
Meetings 116, 117
Meteorology 79
Military Science and Tactics 192, 195
Milk Inspection, etc. 110
Modern Languages 48, 75
Money 82
Motors, Farm 107
Municipal Corporations 158
Museum 25
Music 44, 76
Normal Curriculum 176
Normal Diploma 163, 205
Normal School 175, 198
Nutrition, Animal 109
Offenses Against Good Conduct 31
Officer in Charge 31
Officers of the University 5
Opportunities for Earning Expenses 39
Oratory. See Public Speaking.
Orchestra 44
Organization 44, 50
Organizations, Student, etc. 42
Orientation 130
Parasitology, Animal 112
Patternmaking 146
Peabody Club 161
Peanut Clubs 126
Pedagogy (See also Education) 168
Pharmacy 88
Pharmacy, Curricula in 86
Pharmacy, School of 84
Pharmacognosy 90
Pharmacology 91
Phi Kappa Phi 36, 206
Philosophy 77
Philosophy of Education 170
Physical Education 190
Physical Examination 186
Physisian, University 185, 186
Physics 48, 78, 178
Physiology 62, 112
Pig Clubs 126
Plant Breeding 114
Plant Pathology, etc. 64
Political Science 72, 73
Poultry Husbandry 95, 110
Practical Work, Credits for 98
Pre-Medical Course 56, 58
President 5, 30
Prizes. See Honors and Medals.
Projections 142
Property, Value of University 23
Psychology 77
Psychology of Adolescence 169
Public Discussion (Information, Welfare) 200

PAGE
Public Speaking 71
Publications 44, 120, 128
Quantity of Work 32, 56, 151
Railroads 138
Re-examinations 34
Register 203
Regulations 31, 163, 181
Reinstatement of Student Suspended 34
Related Subjects 166
Remittances 39
Remunerative Labor 97
Reserve Officers' Training Corps 193
Resources. See Income.
Review Courses 179, 183
Reviews and Methods 168
Rhetoric 47, 68
Roll of Students 207
Rural Law 106
Sanitation, Farm 112
Schedules 35, 40
Scholarships 17, 40, 96
School Administration 168, 169, 172
School Management. See Management.
School of Pharmacy 84
Sciences, College of Arts and 53
Secondary Education (See also Education) 17
Self-Help Committee 39
Seminole 44
Shops 22, 29
Short Courses in Agriculture. See Agriculture.
Smith-Lever Act 123
Social Science. See Sociology.
Societies. See Clubs and Literary Societies.
Sociology 80
Soil Technology, etc. 105
Southern Literature 70
Spanish 76
Speaking, Public 71
Special Students 34
Specifications 139
Sports 43, 189
State Board of Education 4
State Certificates 161, 175
State High-School Visitation 183
Steam Laboratory 143
Strength of Materials 143
Structural Engineering 139
Student Organizations and Publications 36, 42
Studies, Regulations Concerning 30, 33
Summary, Attendance 244
Summer Camps 193
Summer School, Spring Session 179
Summer School, University 52, 181, 226
Supervised Teaching 170, 172
Supervision 31
Surveying 137
Surveys 200
Suspension 33
Swine Production 109
Tactics, Military 195

PAGE
Taxation 82
Teachers' Certificates. See State Certificates.
Teachers College 160, 162, 198
Teachers' Employment Bureau 184
Teaching, Methods of 168
Teaching, Supervised. See Supervised Teaching.
Technology, Chemical 144
Telegraph and Telephone Engineering 141
Testing Laboratory 141
Thermodynamics 143
Trades and Industries, Curriculum 166
Training Corps, Reserve Officers' 193
Transportation 82
Trucking 113
Tuition Fees 37, 150, 180, 182
Types of Animals 108
Uniform 193
Unit Courses 46
Units, Entrance 45, 46
University Charges 37
University Council 4, 30
University Extension 199
University, History of 18
Value of University Property. See Property.
Valve Gears 144
Veterinary Science 96, 111
Visitation of Higs Schools 183
Visual Instruction, Bureau of 202
Vocational Education 161, 166, 170, 171, 197
Water Supply 140
Wood Work, etc. 146
Y. M. C. A. 43
Zoology 49, 63

EXTRA No 1
VOL 19 MAY, 1923 No 1

University of Florida

GAINESVILLE, FLORIDA

University Summer School

(Co-Educational)

Announcement

June 13 to August 8, 1923

SUMMER SCHOOL

SUMMER SCHOOL BOARD
STATE SUPERINTENDENT, W. S. CAWTHON, A. M.
PRESIDENT A. A. MURPHREE, A.M., LL.D.
PRESIDENT EDWARD CONRADI, A.M., PH.D.

FACULTY AND OFFICERS

A. A. MURPHREE, A.M., LL.D., *President*
Director of Summer School

J. W. NORMAN, PH.D., *Dean*
Education

JOSEPH ROEMER, PH.D., *Assistant Dean*
Education

MISS GEORGIA BORGER, B.S., *Dean of Women*
Botany and Zoology

J. N. ANDERSON, PH. D.
Latin

E. C. BECK, A.M.
College English

W. H. BEISLER, PH.D.
Science

MISS CHRISTINE CARMACK, A.B.
History and Civics

MRS. A. B. CARRIER
Primary Methods

W. H. CASSELS, A.B.
Mathematics

J. M. CHAPMAN, D.O.
Public Speaking

C. L. CROW, PH.D.
French and Spanish

J. W. DAY, M.S.
Geography and Mathematics

MRS. J. W. DAY
Art

G. E. EVERETT, M.A.
English

M. L. FICK, M.A.
Psychology

W. L. GOETTE, B.S.
Geography

MISS CORA GRIFFIN,
Primary Education

R. L. HAMON, B.S.E.
Mathematics

MISS REBA F. HARRIS, B.S.
Lecturer on Health and Hygiene

W. B. HATHAWAY, M.A.
English and Spanish

E. A. HAYNIE, B.S.A.
Agriculture

C. I. HOLLINGSWORTH, A.B.
Mathematics

J. M. LEAKE, PH.D.
History

T. R. LEIGH, PH.D.
Chemistry

W. A. LITTLE, M.A.
Mathematics

MISS GERTRUDE McARTHUR, M.A.
Rural Education

E. W. McMULLEN, A.B.
History and Civics

R. G. MANCHESTER, A.B., D.O.
Physical Education

H. G. METCALFE
Mathematics

Modern Languages

G. C. MOREHART, M.A.
Education

J. L. ORR, A.M.
Athletic Coaching

W. S. PERRY, M.S.
Physics

MRS. J. REID RAMSAY, A.B.
English

R. A. RASCO, A.M., LL.D.
History and Civics

J. S. ROGERS, A. M.
Biology

MRS. JOSEPH ROEMER, B.S.
Primary Education

MISS MARY SHEPPARD, M.A.
English

T. M. SIMPSON, PH.D.
Mathematics

T. J. SMART, A.M.
Rural Education

.....
Sociology and Economics

A. W. SWEET, M.A., PH.D.
Director of the Department of Health and Hygiene

MRS. MABEL WALL
Music

GEO. E. WHITE, A.B.
Secretary, Y. M. C. A.

O. I. WOODLEY, M.A.
Education

K. H. GRAHAM, *Auditor*

MISS GEORGIA BORGER, *Dean of Women*

MISS CORA MILTIMORE, *Librarian*

....., *Assistant Librarian*

A. R. KNOTT, *in Charge of Dining Hall*

MRS. MARGARET PEELER, *Matron*

DR. D. T. SMITH, *Consulting Clinician*

DR. J. M. DELL, *Consulting Clinician*

DR. GEO. S. WALDO, *Consulting Clinician*

DR. G. C. TILLMAN, *Resident Physician*

MISS GEORGIA ROWAN, *Nurse*

COMMITTEES OF THE FACULTY

On Advanced Standing: Crow, Rasco, Beisler.

On Admission: Simpson, Roemer, Rodgers.

On Public Functions: White, Leigh, McArthur, Perry.

On Graduate Work: Anderson, Farr, Newell, Benton, Trusler, Norman.

On Student Publications: Leake, Beck.

On Extension of Certificate: Metcalfe, McMullen, Cassels.

On Reports to State Department of Education: Haynie, Day, Hollingsworth.

On Student Council: Borger, Griffin, Mrs. Roemer, Mrs. Carrier, Little.

On Literary Societies: Woodley, Metcalfe, Sheppard, Hamon.

On Recreation: (a) For Women: Borger, Carmack, Mrs. Ramsay, Miltimore, Mrs. Wall.
(b) For Men: White, Manchester, Goette, Everett.

On Buildings and Grounds: Day, Perry, Leigh, Hathaway.

GENERAL STATEMENT

The fourteenth annual session of the University of Florida Summer School will open June 13, 1923. The first session was held in 1910 with 74 students in attendance. In the summer session of 1922, this number had increased to 890.

PURPOSE.—It is the main purpose of the University Summer School to furnish such training as will be most useful to its students in the profession of teaching. A teacher should not only be well versed in subject-matter, but also resourceful in managing a schoolroom or a system of schools. The Summer School attempts to give both kinds of instruction. More specifically, it endeavors to prepare its students for positions as teachers, principals, supervisors, and county or city superintendents of public instruction.

ORGANIZATION.—To this end the work of the Summer School is organized as follows:

1. Normal courses comprising the last two years of high school work and the Freshman and Sophomore years in college, and leading to the Normal Diploma. (For requirements, see p. 9.)

2. College courses comprising Freshman, Sophomore, Junior and Senior years in college and leading to standard college degrees of Bachelor of Arts in Education and Bachelor of Science in Education. (For requirements, see p. 8.)

3. Graduate courses leading to advanced degrees. (For requirements, see p. 10.)

4. Professional courses meeting the requirements for the extension of teachers' certificates with or without further examination.

5. Review courses in all subjects required for county, state and special certificates.

ADMISSION.—Graduates of Junior High Schools of ten grades, those who have finished the tenth grade of a Senior High School, and teachers who hold a First Grade County Certificate, are admitted to the first year of the Four-Year Normal Curriculum. Graduates of Senior High Schools are admitted to the Freshman Year of the Collegiate Course.

No one under sixteen years of age will be admitted unless he is a graduate of a Senior High School.

Persons twenty-one or more years of age who cannot satisfy the entrance requirements, but who give evidence of ability to profit by the courses they may take, may, under exceptional circumstances, be admitted as "adult specials."

There are no requirements for admission for those who register merely for review courses.

Students are urged to pursue courses leading to a degree and to have themselves classified when they register. To facilitate proper classification, all students are requested to bring with them their high school diplomas or a statement from their high school principals of the work they have completed. Blank certificates, conveniently arranged for the desired data, will be sent to all high school principals, and, upon application, to prospective students.

ENTRANCE EXAMINATIONS.—For the large number of summer school students who have not finished high school and, hence, do not have sufficient entrance units to enable them to enter the Freshman class, but yet are mature enough to profit by regular college work, entrance examinations will be arranged. All such students should file with the Dean of the Summer School not later than May 20th petitions for examinations in each subject in which they wish to be examined.

DEGREES.—Courses are offered leading to the degrees of Bachelor of Arts in Education, Bachelor of Science in Education, and Bachelor of Science in Agricultural Education. For the Bachelor of Arts degree the major elective work must be chosen in Groups A, B, C and F; for the Bachelor of Science degree, from Groups D and E. In addition to these degrees, the Normal Diploma, sometimes called the L. I. degree, is granted to those students who have finished the second year's work in Teachers College, with the exception that in the Sophomore year Education VI*b* is required, and that one may choose between the required Sophomore and Junior courses in Education. Inasmuch as there is considerable agitation in the United States at present to make two years of training beyond the high school a minimum requirement for teaching in the elementary school, all students are urged by all means to complete this minimum requirement necessary to receive the Normal Diploma. Students who expect to teach in high school should possess a bachelor's degree.

Authority for the above is provided in Section 5 of Summer School Act as follows:

"All work conducted at the said Summer School shall be of such character as to entitle the students doing the same to collegiate, normal or professional credit therefor, and may be applied towards making a degree."

CURRICULUM

Leading to the Degree of Bachelor of Arts or Bachelor of Science in Education

CONSTANTS.—i. e., subjects required of all students enrolled in Teachers' College.

Physical Education I	1 hr.	; required of Freshmen	
Physical Education II	1 hr.	; required of Sophomores	
Military Science I	2 hrs.	; required of Freshmen	
Military Science II	2 hrs.	; required of Sophomores	
English I	3 hrs.	; required of Freshmen	
Psychology	1½ hrs.	; required of Sophomores	
Educational Psychology	1½ hrs.	; required of Sophomores	
Education I	3 hrs.	; year course; required of Freshmen	
Education II	3 hrs.	; year course.	Sophomores must take either Ed. II or Ed. VI*a* and Ed. IV*b*.
or			
Education VIa	1½ hrs.	; first semester	
Education IVb	1½ hrs.	; second semester	
Education IV*a*	1½ hrs.	first semester. Required of Juniors.	
Education X*b*	1½ hrs.	; second semester. Required of Juniors.	
Education III*a*	1½ hrs.	; first semester. Required of Seniors.	
Education XIV*b*	1½ hrs.	; second semester. Required of Seniors.	
Education V*a*	1½ hrs.	; first semester. Required of Seniors.	
Education VI*b*	1½ hrs.	; required of Seniors.	

Each student must select courses from three of the following Groups. *(See Regulation 2 below.)*

A—Ancient Languages	B—Modern Languages	C—English
Required courses: Latin I Latin VI } 6 hours or Latin II Recommended courses: Latin III Latin IV Greek A Greek I or French A French I or Spanish A Spanish I	Required courses: French A French I or Spanish A Spanish I } 6 hours or German A German I Recommended courses: French II Spanish II German II Latin History I or IV English IV, V or VI	Required courses: English I (included among constants) English, 6 hrs. 6 hrs. from one foreign language } 12 hrs. Recommended courses: Other courses in languages, and History V.
D—Mathematics	**E—Natural Science**	**F—Social Science**
Required courses: Mathematics I and III } 6 hrs. Recommended courses: Mathematics IV 3 hours from a Science Surveying	Required courses: Biology I Biology II Biology III Chemistry I Physics V } 16 hours Recommended courses: Chemistry III Advanced Physics Chemistry V	Required courses: History I History II History III Sociology I Economics I } 15 hrs. Recommended courses: Social Science Biology Psychology and Philosophy

REGULATIONS:

1. All students must take all Constants.

2. Each student must select from three Groups of Studies from A to F, and must continue in those selected until completion of Sophomore year; at which time a student may concentrate upon two of these Groups by permission of the Dean.

3. Where the total number of hours of the three Groups combined does not equal 24, additional hours must be taken from the recommended courses in these Groups to make the total 24 or more.

4. A total of 68-year hours is required for graduation.

5. In case a student is exempt from Military Science I and II (see General Catalog, p. 193) he must substitute an equal number of hours from other departments.

REQUIREMENTS FOR THE NORMAL DIPLOMA.—The Normal Diploma is awarded those students who have completed the Four-Year Normal Curriculum (see General Catalog, p. 176). The student must either offer sixteen units for entrance to the

third year of the Four-Year Normal Curriculum (i. e., Freshman year in College), or he must have completed sixteen units by the end of the second year of this Curriculum. In the next two years (the Freshman and Sophomore years) he must complete at least one credit hour of Physical Education and two credit hours of Military Science. In addition, the student must complete thirty academic and professional year hours, or sixty semester hours. Of these, the following are required: English I, 3 hrs.; Psychology, 1½ hrs.; Educational Psychology, 1½ hrs.; Education I, 3 hrs.; Education VI*b*, 1½ hrs.; and either Education VI*a* and Education IV*b*, or Education IV*a* and Education X*b*, 3 hrs. The student may then choose three of the groups described under the requirements for the Bachelor's degree, and so far as possible complete the "required" courses in these three groups. On account of the large number of hours required in two of the groups, it may be impossible for students who elect these groups to complete all of the "required" courses in three groups. In that case, they should divide their time about equally among the groups chosen.

REQUIREMENTS FOR THE MASTER'S DEGREE.—

1. A candidate for the Master's Degree must be in residence for at least one scholastic year, or four summer terms, devoting his entire time during this period to study and research.

2. He must complete two majors and two minors. A major is a three year-hour course of rank above the Senior Class. A minor is a three year-hour course of rank above the Sophomore Class.

3. A thesis is required of all candidates. This thesis should be closely allied to the major subjects. The title of the thesis should be submitted by the end of the first summer and completed by the beginning of the fourth summer.

4. All students who hold the bachelor's degree are expected to attend a conference each Monday at 10 o'clock, Peabody 13.

5. All students who wish to pursue work leading to the master's degree should communicate with the Dean of the Summer School as soon as possible, so that plans for giving the work which they desire may be perfected before the opening of the Summer School. In the communication, state what subjects are desired.

DEMONSTRATION SCHOOL

It is our plan for this summer to have a demonstration school with at least two grades, one primary and one elementary, for the purpose of demonstrating the various educational principles worked out in the different classes. The primary grade will include beginners and 1st grade children and the elementary grade will take children of the 4th and 5th grades.

College students coming to the Summer School who have children in these grades can have reservations made for them, and enter them in the demonstration school upon payment of a fee of $5.00 for the six weeks, which is the length of the term for this school. The school will open the Monday after the beginning of Summer School, and run for six weeks.

SUMMER SCHOOL CREDIT.—One hour in the Summer School is equivalent to one-fourth year-hour as given in the following courses of study. The amount of credit to which the completion of each course will entitle, is given in the description of such courses. No student without special permission of the faculty is permitted to pursue courses that will aggregate more than four and one-half college credits. Exceptionally able students are sometimes permitted to take more than this amount of work, but only with the sanction of the Teachers College Faculty.

The following resolutions, which are primarily intended for students of less than college rank, were adopted by the Teachers College Faculty in January, 1921:

I. Courses to be given in the Summer School shall be designated as (a) Review, (b) Normal, or (c) College.

(a) Courses intended primarily to give a rapid survey of a subject and thus prepare for examination for a Teacher's Certificate.

(b) Courses arranged primarily for pupils unable to offer fourteen college entrance units.

(c) Courses designed primarily for college students (those able to offer fourteen or more college entrance units).

II. All courses (whether Review, Normal, or College) may, if the other regulations be observed, be used towards extension of Teachers' Certificates, provided that at least one course of higher scholastic grade other than those necessary for the certificate, be taken.

III. (a) No credit in college entrance units or in college hours shall be given for successful completion of a "Review" course.

(b) Summer School students offering less than fourteen entrance units shall not, without special permission, be allowed to take more than twenty hours per week. Not more than one entrance unit will be given for work done by "Normal" students at one session of the Summer School. For successful completion of one "Normal" course of study with five recitations per week, one-fourth of one college entrance unit shall be given. One hour of recitation shall be considered equal to two hours of work in laboratory, music, physical education, and drawing.

The Teachers College will accept entrance unit credits only in case an entire course has been completed. Under no circumstances will it accept less than one-half unit in a subject, and one-half units only in subjects so marked in the current catalog. The College will, however, accept one-quarter of a unit when an additional unit or permissible one-half unit is also offered in the same subject, provided the one-quarter unit does not represent duplication of work.

It is recommended that the schedule of classes be so arranged as to make it possible for a student in "Normal" courses to earn two one-quarter units in one subject during one session of the Summer School.

(c) A student able to offer fourteen or more college entrance units shall not, without special permission, be allowed to receive more than four and one-half credit hours or one and one-half college entrance units.

Successful completion of a course of study requiring six class hours per week thruout the Summer School session, will entitle the student to one and one-half college hours; completion of a course requiring four or five hours per week, will entitle to one college hour, and of a class meeting two or three times per week, to one-half college hour; but no credit in hours will be given for a class meeting only once a week. To entitle a student to credit, a course in the Summer School must be approved by the head of the Department in the University most nearly concerned.

STATE CERTIFICATES.—Graduates of the Teachers College and of the Normal School are granted State Certificates without further examination—provided that one-fifth of their work has been devoted to professional training and provided that during each of the last two years of their course they have made a general average of eighty-five on all subjects and have not fallen below sixty in any subject. These State Certificates are converted into Life Certificates in the usual way. (See Compilation of School Laws of State of Florida, 1921, Sec. 150, p. 53.)

EXTENSION OF TEACHERS CERTIFICATES

Section 6 of a recent Act of the Legislature provides that:

> All teachers attending any of the Summer Schools herein created and whose work entitles them to credit therefor, upon making proof of the same to the State Superintendent of Public Instruction, are hereby entitled to one year's extension on any Florida teacher's certificate they may hold and which has not fully expired, and such certificate may be extended one year for each succeeding session attended by the said teacher.

REGULATIONS GOVERNING CERTIFICATE EXTENSION

When credit for extension of certificates is desired the following regulations established by the Summer School Board must be followed:

1. No teacher shall be allowed to take more than twenty hours per week of purely academic subjects.

2. No teacher shall take less than five hours per week of professional work.

(Any four or five hour course in education and psychology, but not in pedagogy, that has not been taken previously will satisfy the professional requirement necessary for extension of certificate.)

3. The maximum number of hours per week, including professional, vocational and academic subjects, shall in no case without permission of the Summer School faculty, exceed twenty hours per week. Two laboratory hours to be counted as one hour of academic work.

4. No student shall take less than fifteen hours per week without special permission, and at least ten hours of this amount shall be in courses not covered by the certificate held, or by courses previously taken.

5. No student will be granted an extension of certificate who does not apply for the same on the student Registration card. A list of those who have applied will be posted on the Bulletin Board in Peabody Hall not later than July 1st for correction, and no student will be recommended for extension of certificate, whose name does not appear on this list by July 25th.

6. An extra fee of one dollar will be charged for any change of registration after Saturday of the first week.

The Summer School faculty will not recommend students for extension of certificate for repeating courses which they have taken in previous summer sessions or those who are not pursuing courses to raise the grade of certificate already held. At the end of the term the faculty will recommend for extension those that meet the above conditions, and attend the full term, and do work satisfactory to the faculty.

DANCING.—The University of Florida does not feel justified in placing its stamp of approval on the dance as at present practiced. Dancing is therefore forbidden both on and off the campus during the summer season.

ADVANTAGES OF THE UNIVERSITY SUMMER SCHOOL

The advantages that Gainesville presents as the seat of the Summer School are numerous. It is centrally located and easy of access. It has well-paved, lighted and shaded streets, an exceptionally pure water supply, and a good sewerage system.

The citizens are energetic, progressive and hospitable. The moral atmosphere is wholesome. The leading religious denominations have attractive places of worship.

The entire equipment of the University is at the hands of the faculty and students. Ample provision is made for intellectual recreation and physical exercise. The Peabody Literary Society meets weekly; lectures or concerts are given frequently; the gymnasium, swimming pool, baseball grounds, and tennis courts are at the disposition of the students, and instructors are at hand to direct athletic activities. The Y. M. C. A. has a fine moving-picture machine, and a large number of educational and travel films have been procured, as well as some of the best feature films obtainable.

PEABODY HALL.—Peabody Hall, the administrative home of the Teachers College, is a magnificent three-story brick and stone structure. It is modern in every respect as to equipment and arrangements. It contains all the lecture rooms, laboratories and libraries that a modern college of this kind needs.

LIBRARY.—The general library of the University contains about 23,000 volumes of well selected books to which the Summer School students have free access. The Pedagogical library will be of especial interest to them, for it contains many books on educational theory, general and special methods, history of education, psychology and philosophy. In the reading room are more than a hundred of the best general and technical periodicals. Here also are received the leading newspapers of the state and nation.

Attention is called to the course in Library Science (p. 33) for the benefit of those teachers who wish to better equip themselves for managing the libraries in their own schools.

The Library will be open week days from 7:50 to 12:30, from 1:50 to 5:30, and from 7:00 to 10:00, except that on Saturdays it will close for the day at 5:00.

TEACHERS' EMPLOYMENT BUREAU.—Teachers College and Normal School desires to serve the whole state in every possible way. For this purpose a Teachers' Employment Bureau was instituted and is open thruout the year. From school officials it receives requests for teachers. From teachers it receives requests for information as to vacancies. It files such information and tries, when called upon, to meet the needs of both teachers and school officials. To be of greater service it

needs and invites the cooperation of superintendents, principals, and teachers. Officials needing trained men or women, and teachers desiring promotion or change, are asked to call upon the Bureau for its aid. No charges are made for services. For information, address Dr. Joseph Roemer, University of Florida, Gainesville, Florida.

STUDENT HEALTH. — The University maintains a well equipped infirmary and has a professional nurse for those who may be ill during the Summer School. Regular physical examination and medical advice are offered to all students on any day at the regular hours of consultation in the Infirmary. Opportunity is offered for individual and private conference with University Physician, Director of Department or assistants.

The University Physician keeps hours daily at University Infirmary for purposes of consultation. Infirmary care is provided for those requiring it. Constant bedside care is given by resident registered nurse.

EXPENSES

The cost of attending the Summer School is very moderate when compared with that at many other institutions. There is no charge for tuition and fees are very low. The combined cost for a room on the campus and meals in the Commons is only $40.00 for the session. The cost of meals alone is $32.00 for the session. For laundry, incidentals and books, expenditures vary, but necessary expenditures are not very high. The estimate of the cost to a student living on the campus follows:

	High	Low
Tuition	$ 0.00	$ 0.00
Registration fee	5.00	5.00
Boarding and lodging in Dormitory per week, in advance	5.25	5.25
In advance for the term	40.00	40.00
Board without lodging, per week	4.25	4.25
Board without lodging for the term, in advance	32.00	32.00
Board for children under eight, per week	2.00	2.00
Board for children above eight, per week	4.25	4.25
Chemistry Laboratory fee	5.00	5.00
Physics Laboratory fee	2.50	2.50

Biology	5.00	5.00
Botany and Zoology Laboratory fee	2.00	2.00
Laundry	12.00	4.00
Incidentals	16.00	8.00
Books	8.00	3.00

For students living off the campus, the estimated expense is the same except that rooms and board will be somewhat higher. However, good rooms adjacent to the campus can be obtained at from $6.00 to $12.00 a month per student, and board off the campus will cost about $6.00 a week.

Students taking Drawing and Primary Handwork will have to pay for the material they use. This will not amount to more than 75 and 50 cents, respectively.

Only students will be admitted to the dormitories, but children may take meals with their parents in the Commons at the rates given in the above list. All accounts are payable in advance.

THE ASSEMBLY.—The assembly will be held on Tuesdays and Fridays at 10 o'clock. At these meetings important announcements will be made and students will be held responsible for all such announcements so made regardless of the fact as to whether they are in attendance at the time.

The following persons will address chapel on these dates:

Friday, June 15	Opening Exercises, President Murphree
Tuesday, June 19	Mr. Leigh
Friday, June 22	Musical program
Tuesday, June 26	Mr. Little
Friday, June 29	Mr. Simpson
Tuesday, July 3	Health Program
Wednesday, July 4	Patriotic Exercises
Friday, July 6	Musical program
Tuesday, July 10	Mr. White
Friday, July 13	Mr. Woodley
Tuesday, July 17	Mr. Leake
Friday, July 20	Mr. Roemer
Tuesday, July 24	Musical program
Friday, July 27	Mr. Rasco
Tuesday, July 31	Mr. Crow
Friday, August 3	Mr. Beck
Tuesday, August 7	

AIDS TO REGISTRATION

To make registration easier and more expeditious registration forms are shown herein. Read them carefully and fill them out as far as possible before you arrive at Summer School. With your bulletin in hand and forms filled out you can quickly complete your registration.

The large card should be filled out in complete detail, especially as to county in which you reside and whether or not you wish an extension of your present certificate, if you have one; in fact the card will be valuable in proportion to the completeness with which it is filled out.

As to the small card, you need to fill out only the blank spaces above and to the right of the heavy line. The rest of it is to be done at the registration desk.

An extra fee of one dollar will be charged for any change in registration after Saturday of the first week.

WHEN AND WHERE TO REGISTER.—Students who live in and near Gainesville should register on Monday, June 11, in Room 13, Peabody Hall. Those who can reach Gainesville on the morning trains on Tuesday, June 12, should register before 4 o'clock in Peabody No. 13. There will be no registration after that time on Tuesday. All others should register in the Gymnasium on Wednesday, June 13. Students from a distance should arrive on Tuesday, June 12. No effort will be made to meet trains or to transfer trunks on Sunday.

UNIVERSITY OF FLORIDA SUMMER SCHOOL
REGISTRATION CARD

Date.....192.....

Mr.
Mrs.
Miss

Surname | First name | Middle name

Home Address: P. O. | County | State

Your Age? | Are You Married? | What college degree do you hold?

In case of illness, whom shall we notify?

Address of this person | Is this person your parent or guardian?

Total number months taught | What Certificate do you hold? | Date issued

Date of expiration of this Certificate | *Do you desire extension of Certificate?

Date of previous extension | Your address while in Gainesville

COURSES

1	4
2	5
3	6

*Note: Student will not be recommended for extension of certificate who does not apply for it in this space.

INSTRUCTOR'S COURSE CARD

Students fill in only above and to right of heavy line

Surname First Name Middle Name

Name of Student.....

June.....1922

SUBJECT	Course No.	Sec.	TITLE OF COURSE	INSTRUCTOR

	1	2	3	4	5	6	7	8
Monday								
Tuesday								
Wednesday								
Thursday								
Friday								
Saturday								

Present Certificate

Extension Desired

Certificate Now Sought

Diligence Gr..... Final Gr..... Days Present.....

.....Instructor

COURSES OF INSTRUCTION

The following abbreviations used in connection with the courses, indicate the buildings in which the courses are held, and the numbers after such abbreviations indicate rooms in which they are held:

A—Agricultural Building; S—Science; P—Peabody; E—Engineering; L—Language; G—Gymnasium.

AGRICULTURE

ELEMENTARY AGRICULTURE.—A general course in agriculture. This will introduce the student to the study of soils, plants, common diseases of plants, insects, farm crops, domestic animals and the like. Methods of teaching agriculture in rural schools will be stressed. Review and extension credit only. M. W. F. 11:00 E. 15. Mr. Haynie.

DAIRY FARMING.—Management of the dairy herd under Southern conditions; study of equipment for dairy farm; locations adapted to dairy farming; method of keeping records and developing dairy herd; pastures, silage and feed crops. 1 college credit. T. Th. S. 11:00. Lab. M. 2-4 P. 2. Mr. Haynie.

FORAGE CROPS.—Legumes, grasses, and miscellaneous forage plants, and their adaptability to the various Florida soils, seeding and cultural methods, harvesting and storing, composition and use, illustrated by specimens brought before the students and by field observations. 1 college credit. M. W. Th. S. 10:00 P. 2. Mr. Haynie.

FERTILIZERS.—The nature, composition, and sources of fertilizers and their reaction on soils and crops. Fertilizer formulas and home-mixing. The making and economical use of farm manures. Fertilizer requirements for various crops, etc. 1½ college credits. Daily 9:00 P. 2. Mr. Haynie.

ATHLETICS

Courses in Coaching

ATHLETICS I.—Football.—Elements of the Game.—Its educational values, the rules that govern it, individual and team development, how the game should be played on offense and defense, different systems discussed, how each position should be played on offense and defense, the forward pass, trick and fake plays, the kicking game, psychology and football, plays

suggested. This course will deal with football strategy and its aim is to fit men for coaching football teams. ½ college credit. M. W. F. 3:00 E. 16. Mr. Orr.

ATHLETICS II.—A Talking Knowledge of the Football Game.—What the rules mean as applied by officials, penalties, good sportsmanship on the side lines. Everybody who attends football games should know the essentials of the game play. M. 5:00 E. 16. Mr. Orr.

ATHLETICS III.—Basketball.—Same course as offered in Course I. Special emphasis will be placed upon the five-man game, on offense and defense, foul throwing, playing the ball, the dribble game, the passing game, long shots, short shots, English, the common-sense system. This course is intended to fit men and women to coach basketball teams. ½ college credit. T. Th. 3:00 E. 16. Mr. Orr.

ATHLETICS IV.—A Talking Knowledge of the Basketball Game.—Same course as offered in Course II. T. 5:00 E. 16. Mr. Orr.

ATHLETICS V.—Special Course and Lectures Will Be Given in Baseball if demanded. Hours to be arranged. Mr. Orr.

ATHLETICS VI.—Same as Course V for Track and Field Sports. Hours to be arranged. Mr. Orr.

Note: Owing to the fact that no money is available to pay for instruction in these courses, a reasonable fee will be charged for each course, payable in advance. A respectable number must enroll to insure the course being given.

BIOLOGY

BIOLOGY I*a*.—The Principles of Animal Biology.—An introduction to the study of biology with particular reference to animal life. This course is a prerequisite to all courses in Zoology given at the University of Florida. 2 college credits. M. T. W. Th. 9:00 S. 23. Laboratory M. T. W. Th. 2:00-4:30 S. 22. Mr. Rogers.

BIOLOGY III*b*.—The Biology of the Frog.—Studies on the morphology, physiology, development and natural history of the frog. This course aims to be an introduction to the vertebrate body and by the detailed study of one form to emphasize the unity and interrelation of the several fields of biological study. Prerequisite: Biology I*a*. 2 college credits. M. T. W. Th. 11:00 S. 23. Laboratory M. T. W. Th. 2:00-4:30 S. 22. Mr. Rogers.

BIOLOGY V.—Laboratory Methods and Technique. — A course intended primarily for students who intend to teach laboratory courses in biology in the secondary schools. Prerequisites: Biology I*a* and III*b*. To be elected only by special permission. Hours and credit to be arranged. Mr. Rogers.

BIOLOGY XV.—Advanced Zoology.—To be elected only by special permission. Hours and credit to be arranged. Mr. Rogers.

CHEMISTRY

CHEMISTRY I.—General Chemistry.—A course designed for those who wish to prepare for science teaching in the high school. This course can be taken by those who have never taken chemistry, or by those who have had a course before and wish to review it. There will be two courses in General Chemistry, one embracing non-metals and one embracing metals. The former is a prerequisite to the latter.

Section 1. A study of the non-metals. 2½ college credits. Daily 9:00 S. 3. Lab. M. T. W. Th. 2:00-4:00 S. 2. Mr. Leigh.

Section 2. A study of the metals. 2½ college credits. Daily 11:00 S. 12. Lab. M. T. W. Th. 2:00-4:00 S. 2. Mr. Beisler.

CHEMISTRY III.—Qualitative Analysis.—Lectures and laboratory course in this subject offered to those who have had general chemistry. 1½ college credits. T. Th. 2:00. S. 3. Lab. M. T. W. Th. 2:00-5:00 S. 2. Mr. Leigh.

CHEMISTRY VII*a*. — Volumetric Analysis. — A laboratory course offered to those who have had qualitative analysis. 1½ college credits. Laboratory afternoons 2:00-5:00, days to be arranged. S. 10. 12 hours per week. Mr. Beisler.

CHEMISTRY VII*b*.—Gravimetric Analysis.—A laboratory course offered to those who have had qualitative analysis. 1½ college credits. Laboratory afternoons 2:00-5:00, days to be arranged. S. 10. 12 hours per week. Mr. Beisler.

CHEMISTRY V.—Organic Chemistry.—This course is designed to present the fundamentals of chemistry of the compounds of carbon. The work in the classroom is presented by means of lectures, quizzes, and oral and written recitations. 2½ college credits. Daily 11:00 S. 3. Laboratory 2:00-6:00. S. 2, days to be arranged. Mr. Leigh.

CIVICS

CIVICS.—Special attention will be given to local, town, city, and county governments. Information that every intelligent citizen should have is stressed. Five sections. Review and extension credit only.

Section 1. M. W. Th. 10:00 P. 23. Mr. Rasco.
Section 2. M. W. Th. 10:00 E. 15. Miss Carmack.
Section 3. T. W. F. 2:00 P. 23. Miss Carmack.
Section 4. W. Th. F. 3:00 L. 9. Mr. McMullen.
Section 5. M. W. S. 10:00 L. 23. Mr. McMullen.

DRAWING, CONSTRUCTIVE WORK AND INDUSTRIAL ART

DRAWING I.—Grades I-III, inclusive. Application of Art to everyday studies; construction work and design; paper cutting, illustration; free-hand drawing; nature study in colors. ½ college credit. M. W. Th. S. 10:00 E. 12. Mrs. Day.

DRAWING II.—Grades IV-VII, inclusive. Design and applied design; line and shade; theory of color and study of water colors; nature study and still life in color; notebooks kept up to date each week. ½ college credit. M. T. W. Th. 2:00 E. 12. Mrs. Day.

DRAWING III.—Grades VIII-XII, inclusive. Principles of perspective and line drawing; pencil sketching; five-minute sketches from life; black and white; charcoal and pencil; water color study and nature study in colors; principles of design and applied design; comparison of notebooks. ½ college credit. M. W. Th. F. 4:00 E. 12. Mrs. Day.

DRAWING IV.—Grades I to XII, inclusive. Decorative work in enamels; stencilling and handwork that can be useful thruout the grades and high school. ½ college credit. M. T. Th. S. 9:00 E. 12. Mrs. Day.

EDUCATION

Any 4 or 6 hour course in Education, but not in Pedagogy, will meet professional requirements for the extension of certificates.

PEDAGOGY.—School management, general and special methods of teaching, elementary principles of child nature, school hygiene and sanitation, personality of teacher, relation of

school and community, and other practical pedagogical questions. Review. 1 normal credit. Three sections:

Section 1. M. T. W. F. 9:00 P. 25. Miss Griffin.

Section 2. M. T. Th. F. 11:00 P. 25. Miss Griffin.

Section 3. M. T. W. F. 3:00 P. 25. Miss Griffin.

EDUCATION A.—The Teaching of Nature Study and Geography in the Rural Schools.—1 normal credit. M. T. W. F. 4:00 P. 20. Miss McArthur.

EDUCATION B.—The Teaching of Arithmetic in the Rural Schools.—1 normal credit. M. T. W. F. 3:00 P. 23. Miss McArthur.

EDUCATION C.—The Teaching of History and Civics in the Rural Schools.—1 normal credit. M. W. Th. S. 10:00 P. 17. Miss McArthur.

EDUCATION D.—The Teaching of Language and Spelling in the Grammar Grades.—1 normal credit. M. T. W. F. 4:00 P. 28. Miss Griffin.

EDUCATION II*b*. — Methods of Teaching the Elementary Branches.—This is a continuation of Education IIa which was offered in the Summer School of 1922. In this course emphasis will be placed upon the proper presentation of grammar school subjects. 1½ college credits. Daily 8:00 P. 23. Mr. Woodley.

EDUCATION III*a*.—Administration and Supervision of Village and Consolidated Schools.—A course stressing in a practical way problems peculiar to these schools in Florida; their relation to federal, state and local government; the supervising principal, qualifications, relation to superintendent, boards, teachers, pupils, patrons and community; adapting the school to the child's needs, organization, curriculum, attendance, promotions, tests, health work; business practices, school finance, material equipment, school housekeeping, records and reports. 1½ college credits. Daily 9:00 P. 23. Mr. Woodley.

EDUCATION V*a*.—The Technique of Teaching.—The laws of learning, lesson-planning, thinking, questioning, the problem-project method, the socialized recitation, democracy in the classroom as a preparation for democracy in life. 1½ college credits. Daily 11:00 P. 17. Mr. Norman.

EDUCATION VI*a*.—Child Study.—The nature, growth and development of the child from birth to adolescence with reference to education; the original nature of the child and his edu-

cation; the meaning of protracted infancy; training in recognition of types and individual differences, of common defects and how to deal with them; the cultivation of intelligent sympathy with children; the effect of Child Study on the practices of elementary and secondary education. 1½ college credits. Daily 8:00 P. 17. Mr. Fick.

EDUCATION VI*b*.—Supervised Teaching. — This course is planned to give the student practice in conducting recitations under close supervision. A study will be made of the development of courses, and the present status of the subject taught. Lesson plans will be required for all recitations, and the manner of teaching will be subject to criticism. Teaching 4 hours a week; conferences 2 hours a week. 1½ college credits.

Section 1. American History in Secondary Schools. Daily 12:00 P. 23. Mr. Morehart.

Section 2. English in Secondary Schools. Daily 11:00 P. 23. Mr. Woodley.

Section 3. Mathematics in the Secondary Schools. Daily 8:00 P. 20. Mr. Little.

EDUCATION VII*b*.—Educational Psychology. — Psychology applied to Education, the learning process, acquisition of skill, etc. 1½ college credits. Daily 12:00 P. 17. Mr. Fick.

EDUCATION X*a*.—The Elementary School Curriculum.—The curriculum as a group of related problems and projects of vital interest to children. An attempt to formulate a curriculum based on social conditions and social needs. 1½ college credits. Daily 11:00 P. 18 A. Mr. Morehart.

EDUCATION XI*a*.—Educational Tests and Measurements.—The use of scales for measuring educational products; educational stock-taking. How to determine what kind of a school a community needs, and what progress pupils are making, etc. (Elective for Graduate Students.) 1½ college credits. Daily 8:00 P. 21. Mr. Roemer.

EDUCATION XI*b*.—City School Surveys.—An intensive and analytical study of the principles and practices followed in making the leading City Surveys of the country. Open to advanced students in Education. 1½ college credits. Daily 8:00 P. 18 A. Mr. Smart.

EDUCATION XIV*a*.—Junior High School.—The purpose of this course is to give principals and teachers a knowledge of the junior high school and its organization. Since the move-

ment is in its formative period in Florida, much attention and study will be given to concrete cases and local conditions. Topics: Need of reorganization of the traditional high school; changes needed in the program of studies, in discipline, methods of teaching, etc.; development of the Junior High School; special function of the Junior High School; organization, curricula and courses of study, methods of teaching, etc., of the Junior High School. Daily 9:00 P. 21. Mr. Roemer.

EDUCATION XIV*b*.—High School Administration.—This course is designed to study the practical management and administration of the modern high school. It will consider such topics as: duties of principal as head of school; relation of principal to board of education, superintendent, teachers, pupils and community; legal status of high school; systems of financing; selection, supervision, promotion, retention and dismissal of teachers; adjustment of teaching load; testing and grading of pupils; problem of discipline; pupil guidance, athletics, wider use of school plant, supervised study, student activities, teachers' meetings, etc. (Junior students may choose between Education XIV*b* and Education III*b*.) 1½ college credits. Daily 8:00 L. 12. Mr. Everett.

EDUCATION XIX*a*.—The History of Education: General Course.—The development of educational thought and practice viewed as a phase of social progress. 1½ college credits. Daily 8:00 S. 23. Mr. Morehart.

EDUCATION XXI.—Newer Type of Primary School.—This course will discuss some recent departures from the traditional and will consider causes for these changes. The course will include organization of the primary school curriculum, and a discussion of the relationship between the kindergarten and primary school. It is planned to meet the needs of teachers of the first four grades. Prerequisite, 4 years of teaching experience or two years of college training. 1½ college credits. Daily 11:00 E. 10. Mrs. Roemer.

EDUCATION XXII.—The Teaching of Primary Reading.—This course will discuss the basic importance of reading in the primary school; reading as a tool study; the various methods of teaching reading, etc. Because of the close relation of language as a tool study to reading in the primary school that subject will also be considered in this course. The value of

phonics, writing, and also spelling will be considered. 1½ college credits.

Section 1. Daily 9:00 E. 10. Mrs. Carrier.
Section 2. Daily 8:00 P. 25. Mrs. Carrier.

EDUCATION XXIII.—Hand-work for Primary Grades.—The purpose of this course is to develop the real function of hand-work in the primary grades. The various types of hand work will be discussed, paper cutting, free hand drawing, clay modeling, etc. A constructive project for each grade will be developed during the course. 1 college credit.

Section 1. Daily 8:00 P. 1. Mrs. Roemer.
Section 2. Daily 9:00 P. 1. Mrs. Roemer.

EDUCATION XXIV.—The Teaching of Primary Numbers.—This course will consider the broad concept number as it relates to child life; means of working out definite standards of measurement. The four fundamental processes and how to teach them; rapid calculation, etc. This course will lay out the course of study in arithmetic in the first three grades. 1½ college credits. Section 1. Daily 12:00 E. 10. Mrs. Carrier.

EDUCATION XXV.— Rural Life Movements.—The opportunity of the rural teacher in reviving, organizing, and directing the life of the rural community will be stressed. The object of the course is to stress the idea that hearing lessons is only a part of the teacher's duty. 1½ college credits. Daily 12:00 P. 28. Mr. Smart.

EDUCATION XXVI.—Rural School Supervision.—A course reviewing the inadequacy of such supervision in the schools of Florida as shown by untrained teachers, and insufficient aid from the County Superintendent's office. Proposed helps—self-supervision, rural school supervisors, helping teachers, etc. Plans for training teachers in service will be discussed—county associations, reading circle work, conference courses, etc. 1½ college credits. Daily 9:00 P. 18 A. Mr. Smart.

EDUCATION XXVII.—Rural School Management.—How to organize and conduct a rural school. 1½ college credits. Daily 12:00 P. 21. Miss McArthur.

ENGLISH

ENGLISH COMPOSITION.—Review and extension credit only. Four sections:

Section 1. M. T. W. Th. 9:00 E. 15. Mrs. Ramsay.

Section 2. M. T. W. Th. 8:00 L. 25. Mrs. Ramsay.
Section 3. M. T. W. Th. 8:00 E. 16. Miss Sheppard.
Section 4. M. T. Th. F. 4:00 P. 17. Mr. Everett.

ENGLISH GRAMMAR. — Review and extension credit only. Six sections.

Section 1. M. W. Th. S. 10:00 L. 25. Mrs. Ramsay.
Section 2. M. T. W. F. 4:00 L. 9. Mrs. Ramsay.
Section 3. M. W. Th. S. 10:00 S. 23. Miss Sheppard.
Section 4. M. T. W. Th. 2:00 L. 12. Mrs. Ramsay.
Section 5. M. T. Th. F. 12:00 E. 16. Miss Sheppard.
Section 6. M. T. Th. F. 4:00 E. 16. Miss Sheppard.

ORTHOGRAPHY.—The spelling of common words will be stressed. Correct spelling in all forms of written work will be demanded. How best to teach spelling. Review and extension credit only. W. F. 2:00 L. 9. Mr. Everett.

AMERICAN LITERATURE.—Study of American Literature as outlined in Metcalf's "American Literature." 1 Normal credit. M. T. Th. F. 11:00 P. 23. Mr. Woodley.

ENGLISH LITERATURE.—The history of English Literature as outlined in Metcalf's "English Literature" will be given. 1 Normal credit. M. T. Th. F. 2:00 L. 26. Miss Sheppard.

RHETORIC.—A general course in composition and rhetoric. 1 Normal credit. M. T. W. Th. 12:00 L. 11. Mr. Everett.

COLLEGE ENGLISH

ENGLISH I*a*.—Advanced College Rhetoric.—Designed to train students in methods of clear and forceful expression. Instruction is carried on simultaneously in formal rhetoric, in rhetorical analysis, and in theme writing, the constant correlation of the three as methods of approach to the desired goal being kept in view. In addition a reading course is assigned each student. 1½ college credits. Daily 8:00 P. 28. Mr. Hathaway.

ENGLISH I*b*.—Advanced College Rhetoric.—This is the work covered during the second semester of Freshman English. It is a continuation of English I*a*. The chapters on Invention in Genung's "Working Principles of Rhetoric" will be studied. A minimum of ten compositions is required. 1½ college credits. Daily 9:00 P. 28. Mr. Hathaway.

ENGLISH III*a*.—Advanced Composition. — This course is regularly known as Sophomore English. It may be taken by

students who have completed satisfactorily English I or by those who took English III*b*, Expository Writing, last summer. Emphasis will be placed on description and narration, tho some attention will be given to news writing. This is the class that publishes the Florida Alligator. 1½ college hours. Daily 8:00 L. 26. Mr. Beck.

ENGLISH V*a*.—American Short-Story.—A course on the development of the American short-story, beginning with Irving and extending to the current magazine writers. Extensive reading of the various types of short stories. Lecture on story technique. Pattee's "Development of the American Short-Story" is the text. This course is open to those who took the short-story last summer as well as to other undergraduates. 1 college hour. M. T. W. F. 9:00 L. 26. Mr. Beck.

ENGLISH VIII*b*.—Emerson.—A study of the essays and poems of this great American thinker. Ralph Waldo Emerson, his life and times, religion, philosophy, morals, politics, and art as brought out in his works, with some study of his influences. This course is open to undergraduates and graduates. Sherman's "Essays and Poems of Emerson" is the text. 1 college hour. M. W. Th. S. 10:00 L. 26. Mr. Beck.

MODERN NOVEL.—This course is for those students who have taken the course some previous summer and for those who have taken it by correspondence. Bliss Perry's "Study of Prose Fiction" will be reviewed, and Hawthorne's "Scarlet Letter" will be studied carefully. Discussion of Lewis's "Babbitt", Atherton's "Black Oxen", Cather's "One of Ours", Alice Brown's "Old Crow", Sedgwick's "Adrienne Tower", Walpole's "Cathedral", and other later novels. ½ college hour. Th. S. 9:00 L. 26. Mr. Beck.

CHAUCER.—In this course will be read a part of the "Canterbury Tales". The language and grammar of Chaucer will receive attention. 1½ college hours. Daily 11:00 L. 26. Mr. Beck.

FRENCH

FRENCH A*a*.—Elementary Course.—Pronunciation, forms. elementary syntax, dictation, written exercises, memorizing of vocabularies and short poems, translation. 1½ college credits. Daily 11:00 L. 9. Mr. Crow.

FRENCH A*b*.—Elementary French, second semester's course; continuation of French A*a*; grammar, prose composi-

tion, reader, oral practice. Fraser & Squair's Shorter French Course; La Belle France. Prerequisite: French A*a* or equivalent. 1½ college credits. M. T. W. Th. F., 3:00 L. 23. S. 10:00 L. R. Mr. .....

FRENCH I*a*.—Intermediate Course.—Work of elementary course continued, advanced grammar, including syntax, prose composition, translation of intermediate and advanced texts, sight reading, parallel. 1½ college credits. Daily 12:00 L. 9. Mr. Crow.

GEOGRAPHY

POLITICAL GEOGRAPHY.—Special attention will be given to Florida and its relation to other states. A thoro review of the geography of the United States and the world. Instruction will be given in the use of textbooks, maps, globes, industrial products, etc. Review and extension credit only. Five sections:

Section 1. M. W. Th. 10:00 S. 3. Mr. Goette.
Section 2. M. W. F. 2:00 S. 12. Mr. Goette.
Section 3. M. W. F. 3:00 P. 1. Mr. Day.
Section 4. M. W. Th. 10:00 P. 18 A. Mr. Day.
Section 5. M. T. Th. 11:00 P. 1. Mr. Day.

PHYSICAL GEOGRAPHY.—The main features of the ordinary textbook in physical geography will be studied. Along with this stress will be placed upon the effects the physical features have on man—his commercial and social life. This will be correlated with agriculture. 1 Normal credit. Three sections.

Section 1. M. T. Th. F. 4:00 S. 12. Mr. Goette.
Section 2. M. W. Th. S. 10:00 S. 12. Mr. Beisler.
Section 3. M. T. Th. S. 12:00 S. 12. Mr. Goette.

HEALTH WEEK

One of the interesting and profitable features of the 1922 Summer School Session will be repeated at the 1923 session. The week of July 2nd has been designated as "Health Week", during which time the Florida Public Health Association will have an exhibit of posters and literature illustrating methods of teaching Health and Hygiene. There will also be conferences conducted at convenient hours each day. Representatives will appear at chapel exercises and furnish a series of moving picture entertainments each evening during the week.

HISTORY AND POLITICAL SCIENCE

FLORIDA HISTORY.—State-adopted textbook will be covered. Review and extension credit only. T. Th. 11:00 E. 15. Miss Carmack.

ELEMENTARY UNITED STATES HISTORY.—Six sections, each covering thoro review of State-adopted textbook. Review and extension credit only. Six sections.

Section 1. M. T. Th. F. 8:00 L. 9. Mr. Rasco.
Section 2. M. T. Th. F. 9:00 L. 25. Mr. McMullen.
Section 3. M. T. Th. F. 2:00 L. 25. Mr. McMullen.
Section 4. M. T. Th. F. 3:00 L. 25. Miss Carmack.
Section 5. M. T. W. F. 12:00 L. 10. Mr. Rasco.
Section 6. M. T. Th. F. 11:00 L. 25. Mr. Rasco.

HISTORY.—Ancient.—1½ Normal credits. Daily L. 12:00. Mr. McMullen.

HISTORY.—Medieval and Modern.—1½ Normal and extension credits. Daily 12:00 E. 15. Miss Carmack.

HISTORY.—English.—1 Normal and extension credit. M. T. W. Th. 2:00 L. 10. Mr. Rasco.

HIGH SCHOOL HISTORY.—American.—1 Normal and extension credit. M. T. Th. F. 12:00 P. 23. Mr. Morehart.

AMERICAN GOVERNMENT AND POLITICS.—This course is designed thoroly to familiarize the student with the framework and functions of the federal government. Special emphasis is laid on the development of our political parties and their workings. 1½ college credits. Daily 9:00 L. 10. Mr. Leake.

HISPANIC-AMERICAN HISTORY.—An advanced course which traces the historical development of the Latin-American peoples of Central and South America from the period of colonization to the present time. 1½ college credits. Daily 8:00 L. 10. Mr. Leake.

MODERN EUROPEAN HISTORY.—An advanced course which traces the history of the more important European peoples from 1763 to the present. Special emphasis is laid upon the Revolutionary and Napoleonic periods and upon the various conferences; upon the making of Germany and Italy; and upon the historical background of the World War. 1½ college credits. Daily 11:00 L. 10. Mr. Leake.

HYGIENE

HYGIENE.—Special efforts to impress the teacher with the importance of hygiene and sanitation. How to keep well and physically efficient is the special aim of this course. ½ Normal and extension credit. Th. S. 8:00 S. 12. Mr. Beisler.

HYGIENE I.—Instruction by lecture, recitation and written exercise in general and individual hygiene. Course comprises educational, informational, defensive and constructive Hygiene, with especial reference to infectious diseases, causes, effects and prevention; sex hygiene and social diseases; the general features concerning the destructive agents of health. Required of all first year students. (Acceptable for credit for pre-medical work by the American Medical Association.) ½ college credit. M. T. W. S. 9:00 E. 16. Dr. Sweet.

HYGIENE II.—Instruction by lecture in the common groups that make up the community. Treats of the hygiene of the family, school, industry, farm, institution, and other groups which are typical of every village or town. Elective for all students. ½ college credit. M. W. Th. S. 10:00 E. 16. Dr. Sweet.

HYGIENE III.—Instruction by lecture in the intergroup factors of community, state, nation. Treats of water supply, sewage disposal, garbage disposal, streets, infectious diseases, disinfection, fumigation, clinics and other destructive and constructive elements of community, state and national health. Elective for all students. ½ college credit. M. W. Th. S. 11:00 E. 16. Dr. Sweet.

LATIN

BEGINNER'S LATIN. — Review. — Review and extension credit only. M. T. at 11:00, F. S. at 9:00 L. 12. Mr. Anderson.

CAESAR.—Review.—In this course three books will be studied. Composition. 1 Normal credit. M. T. W. Th. 9:00 L. 12. Mr. Anderson.

VIRGIL.—Review.—Three books of Virgil are read and, in addition, prose composition will be given. 1 Normal credit. W. Th. F. S. 11:00 L. 12. Mr. Anderson.

LATIN SI*a*.—Selections from Ovid, with a review of the forms and simpler constructions with practice (largely oral) in easy prose composition. If the class prefers, Cicero's De

Senectute and De Amicitia will be read instead of the Ovid. Prerequisite: Three years of High School Latin. 1 college credit. M. T. W. Th. 4:00 L. 12. Mr. Anderson.

LIBRARY SCIENCE

LIBRARY SCIENCE I.—A course designed to help the teacher-librarian in the small high school. The subjects of book selection, the study of reference books and the organization, in a simple way, of the small high school library will be emphasized. ½ college credit. M. W. Th. 10:00 P. 28. Miss Miltimore.

MATHEMATICS

ARITHMETIC.—A thoro review of Arithmetic is made, that the student may view it from both the teacher's and child's point of view. Common and decimal fractions, denominate numbers, percentage and all other subjects covered by the textbooks adopted by the state. Principles and methods of teaching arithmetic are thoroly covered. Review and extension credit only. Eight sections:

Section 1. M. T. W. F. 11:00 P. 20. Mr. Little.
Section 2. M. T. Th. F. 8:00 P. 20. Mr. Little.
Section 3. M. W. Th. S. 10:00 P. 20. Mr. Little.
Section 4. M. T. W. F. 12:00 P. 1. Mr. Day.
Section 5. M. T. Th. F. 4:00 P. 1. Mr. Day.
Section 6. M. T. Th. F. 3:00 E. 17. Mr. Metcalfe.
Section 7. M. T. Th. F. 5:00 P. 1. Mr. Hamon.
Section 8. M. T. W. F. 8:00 E. 15. Mr. Hamon.

BEGINNER'S ALGEBRA. — Elementary course covering the fundamental operations, simple and simultaneous equations, factoring and fractions. Review and extension credit only. Four sections:

Section 1. M. T. W. Th. 3:00 P. 20. Mr. Hollingsworth.
Section 2. M. T. Th. F. 9:00 E. 17. Mr. Hamon.
Section 3. M. T. W. F. 5:00 P. 20. Mr. Cassels.
Section 4. M. T. Th. F. 11:00 P. 21. Mr. Hamon.

ADVANCED ALGERBA. — Involution, Evolution, quadratic equations, progressions, ratio and proportion. 1 Normal and extension credit. Four sections:

Section 1. M. W. Th. S. 10:00 P. 1. Mr. Hollingsworth.
Section 2. M. T. W. Th. 5:00 E. 17. Mr. Metcalfe.
Section 3. M. T. W. Th. 4:00 P. 23. Mr. Little.
Section 4. M. T. W. F. 12:00 P. 20. Mr. Hollingsworth.

REVIEW PLANE GEOMETRY.—Rapid review first five books. Review and Extension credit only. M. T. Th. F. 2:00 E. 17. Mr. Cassels.

BEGINNER'S PLANE GEOMETRY I.—Books I and II. 1½ Normal credits. Daily 8:00 E. 17. Mr. Hollingsworth.

PLANE GEOMETRY II.—Books III to V. 1½ Normal credits. Daily 11:00 E. 17. Mr. Cassels.

SOLID GEOMETRY.—1½ Normal credits. Daily 9:00 P. 20. Mr. Cassels.

PLANE TRIGONOMETRY.—1 college credit. M. W. Th. S. 10:00 P. 21. Mr. Hamon.

COLLEGE ALGEBRA.—Selected topics in Fite's "College Algebra". 1½ college credits. Daily 8:00 L. 23. Mr. Simpson.

PLANE ANALYTICAL GEOMETRY.—The first five chapters of Roberts and Colpitts "Analytic Geometry". 1½ college credits. Daily 9:00 L. 23. Mr. Simpson.

ELEMENTARY CALCULUS.—1½ college credits. Daily 11:00 L. 23. Mr. Simpson.

MUSIC

MUSIC I.—Rudiments of Music and Sight Singing. ½ college credit. M. T. W. Th. 2:00 E. 10. Mrs. Wall.

MUSIC II.—Sight Singing and methods of teaching public school music in the primary grades. ½ college credit. M. T. Th. F. 3:00 E. 10. Mrs. Wall.

MUSIC III.—Advanced Sight Singing: Two, three and four part music; methods of teaching public school music in all grades. Elementary theory and harmony and simple composition. ½ college credit. M. T. W. F. 4:00 E. 10. Mrs. Wall.

Chorus and glee club work will also be offered.

PHYSICS

HIGH SCHOOL PHYSICS.—A general course, such as is usually given in standard secondary schools—lectures, recitations, demonstrations, and a limited amount of individual laboratory work. 1½ normal credits. M. W. Th. S. 10:00 E. 33. Laboratory W. F. 2:00-4:00 E. 33. Mr. Perry.

GENERAL PHYSICS.—A course designed for those who wish to prepare for science teaching in the high school or for those who wish to take a course in general physics more extensive and more mature than that offered in the elementary course.

This course may be taken by those who have had no previous work in physics, but in that case, V*a* must be taken as a prerequisite to V*b*.

PHYSICS V*a*.—Mechanics and Heat. 2½ college credits. Daily 11:00 E. 33. Lab. T. W. Th. F. 2:00-4:00. Mr. Perry.

PHYSICS V*b*.—Sound, Light and Electricity—2 college credits. Daily 9:00 E. 33; Lab. T. Th. 2:00-4:00. Mr. Perry.

PHYSICAL EDUCATION

The courses in this department are designed to meet the needs of teachers, who even though not graduates of Physical Education, are nevertheless expected to have a practical knowledge of physical training, gymnastics, plays and games, and are expected to teach them in the public schools. Local problems of those in the classes will be met as far as possible. Plans will be formulated whereby unhealthy physical conditions may be eradicated from the environment of the schools and physical defects found among school children eliminated. The aim of the department is to have in every community as many leaders in playground and school activities as possible.

PHYSICAL EDUCATION I.—Elementary Gymnastics.—This class is for beginners and consists mainly of marching, calisthenics and simple apparatus work. Exercises applicable for school room will be given in graduated scale leading up to the more advanced form of exercise. ½ college credit. Section 1—Men M. W. Th. S. 10:00; Section 2—Women M. T. W. Th. 4:00 Gymnasium. Mr. Manchester.

PHYSICAL EDUCATION II.—Advanced Gymnastics.—This is for those who have had work either in Course 1 or have made progress in the work elsewhere. This work will consist of advanced floor and apparatus work. ½ college credit. Section 1—Men M. T. W. Th. 11:00; Section 2—Women M. T. W. Th. 5:00 Gymnasium. Mr. Manchester.

PHYSICAL EDUCATION III.—Physiology.—A course not going into detail nor for review but to better enable the teacher or leader to recognize faulty conditions and have an intelligent use of natural and artificial methods for correction thru exercise. Action, use and relation of different organs of body and exercises to stimulate and normalize them. General laws governing the body and health. ½ college credit. Section 1—Men F. S. 9:00; Section 2—Women M. W. 9:00 Gymnasium. Mr. Manchester.

PHYSICAL EDUCATION IV. — Anatomy. — An elementary course in bony structure, muscles and important nerves in their relation to physical education. Not a review course. ½ college credit. F. S. 11:00 Gymnasium. Mr. Manchester.

PHYSICAL EDUCATION V.—Major Sports.—Classes will be organized in the following: Basketball, track, baseball and volley ball with reference to coaching, training, diet and managing. ½ college credit. M. T. W. Th. 2:00 Gymnasium. Mr. Manchester.

PHYSICAL EDUCATION VI.—Minor Sports.—All games and competition between individuals and teams not representing major sports. Mass play and its importance in school and playground curriculum. How to organize and carry on minor sports, rules and organization governing them. ½ college credit. M. T. W. Th. 3:00 Gymnasium. Mr. Manchester.

PHYSICAL EDUCATION VII.—General playground and social hour, 7 P. M. This will be given on the campus and is open to everyone. Mr. Manchester.

Note.—All ladies will be required to have middies, bloomers and tennis shoes. It is recommended the middies be white and bloomers dark color.

All men will be required to have baseball trousers or white duck pants, gym shirt and tennis shoes. White gym shirts and white duck pants preferable.

PSYCHOLOGY

ELEMENTARY PSYCHOLOGY.—A beginner's course in psychology with applications to teaching. 1 normal credit. M. W. Th. S. 10:00 P. 25. Mr. Everett.

PHILOSOPHY I*a*.—General Psychology.—Facts and theories current in general psychological discussion: the sensations, the sense organs, and the functions of the brain; the higher mental functions—attention, perception, memory, feeling, emotion, volition, the self; and like topics. This course satisfies the professional requirement for the extension of certificates. 1½ college credits. Daily 9:00 P. 17. Mr. Fick.

PUBLIC SPEAKING

On account of limited funds, a nominal fee will be charged for the following courses:

EXPRESSION AND PUBLIC SPEAKING.—In the courses offered particular attention will be given to establishing a correct method of breathing, to correcting faulty articulation, and to

teaching the principles of interpretation by voice, gesture, and facial expression. In these studies special attention will be given to preparing teachers for carrying on this work in the public schools. Those interested see Professor J. M. Chapman. Law Building. Hours to be arranged.

RELIGIOUS AND SOCIAL SERVICE

Under this department the general program of the Young Men's Christian Association, as rendered in the last two years, will be continued. This is not a new department, but it places the department under a more definite plan in order that it may serve the student life in a better way.

All the other social organizations on the campus, and the County Clubs, will be organized through this department. Every phase of social life will be encouraged. The following is the general program in the

RELIGIOUS DEPARTMENT

Sunday, 7 P. M.—Vesper Services.
Tuesday, 10 A. M.—Chapel.
Wednesday, 7 P. M.—Devotional Services.
Friday, 10 A. M.—Chapel.

SOCIAL DEPARTMENT

Cooperating with the Department of Physical Education.
Monday, 4:00-6:00 P. M.—Plays and games on campus.
Tuesday, 8 P. M.—Moving pictures in Gymnasium.
Wednesday, 4:00-6:00 P. M.—Plays and games on campus.
Thursday, 8 P. M.—Peabody Club.
Friday, 8:00-11:00 P. M.—Socials in Social Hall and Gymnasium.

SCIENCE

GENERAL SCIENCE.—A course in General Science designed especially to meet the needs of high school teahers. 1 normal credit. M. T. W. F. 8:00 S. 12. Mr. Goette.

HIGH SCHOOL BOTANY.—A general introduction to plants —characteristics of important families, pollination, classification. Some of the lower forms of plant life will also be studied. 1½ normal credits. Recitation W. Th. F. 3:00; Laboratory M. T. W. 4:00-6:00 S. 3. Miss Borger.

HIGH SCHOOL ZOOLOGY. — An introductory course to the general principles and concepts of animal life. The laboratory work includes observations and dissections of invertebrates and vertebrates. 1 normal credit. Recitation M. T. 3:00; Laboratory Th. and F. 4:00-6:00 S. 3. Miss Borger.

SOCIOLOGY AND ECONOMICS

SOCIOLOGY B.—Introduction to Sociology.—A brief study of some of the fundamental factors and problems of social welfare and social progress. 1½ college credits. Daily 8:00 L. 11. Mr. .....

SOCIOLOGY III*b*.—Rural Sociology.—A broad survey of the field of rural life in its social aspects; methods of improvement. Open only to Juniors and Seniors and should be preceded or accompanied by Sociology B. 1½ college credits. Daily 9:00 L. 11. Mr. .....

ECONOMICS I*a*. — Principles of Economics. — A general course covering the fundamental principles of consumption, production, exchange and distribution of wealth with practical application to concrete problems. Not open to Freshmen and should be preceded or accompanied by Sociology B. 1½ college credits. Daily 11:00 L. 11. Mr. .....

Owing to the marked advantages derived from concentration, the three courses outlined above will be given in such a way that they may be taken at the same time by qualified students.

SPANISH

SPANISH A*a*.—Elementary Course.—Pronunciation, forms, elementary syntax, dictation, written exercises, memorizing of vocabularies. 1½ college credits. Daily 12:00 L. 23. Mr. .....

SPANISH A*b*.—This is the Second Semester of First Year Spanish. Those who take this course must have had at least a half year of successful work in Spanish. 1½ college credits. Daily 11:00 P. 28. Mr. Hathaway.

SPANISH I*b*.—Intermediate Course.—Work of elementary course continued, advanced grammar, including syntax, prose composition, translation, parallel. 1½ college credits. Daily 9:00 L. 9. Mr. Crow.

ROOMS

All rooms in Buckman Hall and Thomas Hall are reserved for women in the summer. These rooms are supplied with two good iron bedsteads and mattresses, chiffonier or bureau, a table, washstand and chairs. All students are required to provide for themselves a pillow, bed linen, towels, and other things as they may want for their own special convenience.

All dormitory rooms have usually been reserved by May 1, but good rooms adjacent to the campus can be obtained at a moderate price. Within the past year several large rooming houses and private dwellings have been built within three blocks of the campus, which will greatly increase the rooming facilities for those who cannot obtain rooms in the dormitory. A list of desirable rooming houses will be sent on request.

All who expect to occupy dormitory rooms, which in every case are comfortable and commodious, should make reservations as soon as possible. If for sickness or other reasons a student finds it impossible to come to the Summer School, reservation should be cancelled so that other students may have an opportunity to occupy the room that has been reserved.

BAGGAGE DELIVERY

Students who engage rooms in the dormitories in advance will receive tags properly addressed to be attached to baggage. To secure prompt delivery, students should place these tags on their baggage and should give their checks to authorized transfer agents who will meet all trains.

For room reservations and general information as to the Summer School, address,

J. W. NORMAN,
Dean of Teachers College,
Gainesville, Fla.

THE GATOR SUMMER SCHOOL

Composed by O. I. Woodley.

(Tune: The Quilting Party)

In this place we love so dearly,
  'Mid the pines where honors rule,
There is found a noble institution,
  'Tis the Gator Summer School.

(Chorus)

In the Gator Summer School,
  In the Gator Summer School,
Here we daily come for inspiration,
  In the Gator Summer School.

Here we gather life's rich treasures,
  Help to read from life's great scroll,
From the learned, wise and skilful teachers
  In the Gator Summer School.

Here are formed sincerest friendships,
  For the years that will unroll,
And our lives will ever be the richer
  For the Gator Summer School.

We will ever sing her praises,
  As we reach our highest goal,
And our hearts will always thrill while singing
  Of the Gator Summer School.

Extra, No 1
Vol 18 October, 1923 No 2

University of Florida

GAINESVILLE, FLORIDA

Rhodes Scholarships

TO

Oxford University, England

Address delivered to Student Body by

GILCHRIST STOCKTON, B.Litt. (Princeton), B.A. (Oxford)

February 20, 1923

The University of Florida

A. A. MURPHREE, LL.D., President

The College of Arts and Sciences offers advantages for a liberal education in four-year courses leading to the degrees of B.A. and B.S. James N. Anderson, A.M., Ph.D. (Johns Hopkins), Dean.

The School of Pharmacy, T. R. Leigh, Ph.D. (Chicago), Director.

The College of Agriculture provides instruction in all branches of agriculture in short courses from four months to two years and in a four-year course leading to the degree of B.S.A. Wilmon Newell, D.Sc. (Iowa State), Dean.

The College of Engineering affords technological training in four-year courses in chemical, civil, electrical and mechanical engineering, leading to corresponding Bachelors' degree in engineering. John R. Benton, B.Sc., Ph.D. (Gottingen), Dean.

The College of Law—Member of the American Law School Association—offers a standard three-year course and confers LL.B. and J.D. degrees. Harry R. Trusler, A.M., LL.B. (Michigan), Dean.

The Teachers College provides teacher training for public school service, and offers four-year courses leading to the degrees of B.A. and B.S. in Education, and B.S. in Agricultural Education. James W. Norman, Ph.D. (Columbia), Dean.

The Graduate School—Courses leading to the degrees of M.A., M.S., M.S.A., M.A. in Ed. and M.S. in Ed.

The Teachers' Summer School is co-educational. College courses for credit are offered.

The Agricultural Experiment Station conducts agricultural research.

The Agricultural Extension Division maintains branches of Farm and Home Demonstration work, carried on by agents and through correspondence study.

The General Extension Division carries the benefits of the University to those who are unable to study in residence, through correspondence study and public welfare work representing the Colleges of Arts and Sciences, Education, Engineering and Law.

Sixteen units required for admission to the Freshman Class.

For catalog or further information address

E. L. COWAN, REGISTRAR

UNIVERSITY OF FLORIDA,

GAINESVILLE

Mr. President, Members of the Faculty, and Students of the University of Florida:

I have been invited to Gainesville to tell you about the Rhodes Scholarships. I can remember very well the first time I ever heard the words "Rhodes Scholarship" and I rushed to the World's Almanac to find out what they meant. After reading the requirements according to Mr. Rhodes' will I immediately lost interest. I felt that I had just as good a chance of becoming President of the United States. My brother's appointment for Florida again stimulated my interest, and as the years passed by I came into personal contact with several Rhodes Scholars. I looked them over and decided to try myself. The year that I was appointed a disastrous Latin prose examination eliminated my strongest competitors. I escaped it, having passed the examinations the preceding year and being on the waiting list. I think that President Murphree is wise in having old Rhodes Scholars talk to you about the Scholarships, for you cannot help from saying to yourself "If that man got one it can't be very difficult". A Rhodes Scholarship will not be to you the vague, impossible thing I thought it was from my perusal of the World's Almanac. It is a wonderful opportunity open to any one of you. You will compete against each other here and against men in other colleges just like you, with your abilities and limitations, and I think it is always comforting to realize that we haven't got to play against "Bogie".

I am going to try to cram into a few minutes the story of the Scholarships which to be complete must include something about Mr. Rhodes, his purpose in creating them, what they are, how to get them, what is done with them when they are won, and, lastly, something about Oxford, and that is just where I am going to fall down worse, for I know I can never do for you what nobody ever did for me—translate Oxford into words. To know Oxford you must live there as a student. I never knew it until the early morning mists from Thames had soaked into the marrow of my bones and my "scout" had ceased to awe me,—but Oxford comes later.

Cecil John Rhodes was born in 1853, on the day after the 4th of July. Like Benjamin Franklin, he was one of many children and like Theodore Roosevelt, ill health laid

the foundation of his future greatness. After his health broke down he was sent at the age of seventeen to join a brother in Natal. That year diamonds were discovered near Kimberly, and he was a successful digger. At nineteen he was restored to health and financially independent. It was at this early age that he conceived "the governance of the world by the British race" as his objective, but he decided to take a degree at Oxford before actively pursuing his ideal. He was matriculated at Oriel College, where he had been preceded two centuries previously by another great Empire Builder, Sir Walter Raleigh. Due to another breakdown Rhodes was at Oxford off and on for over eight years, but when he took his degree he was also a member of Parliament of the Cape of Good Hope.

After his return to South Africa his rise to financial and political power was rapid. Nine years after taking his Oxford Degree he found himself in control of three great stock companies, the British South Africa Company, the DeBeers Consolidated Mines and the Gold Fields of South Africa, and also Prime Minister of Cape Colony. He had amassed a great fortune. He dreamed of a Federation of South Africa and upon the formula of "independence within the empire" he welded the contending Dutch and British elements into harmony. He had been slowly reaching northward, adding vast territories to the British Empire, first Bechuanaland, then the country beyond the Zambesi, and lastly an immense area of 450,000 square miles named in his honor "Rhodesia". The extension of German East Africa to the Congo by treaty defeated his dream of "Africa, British from the Cape to Cairo". In the crash that followed the Jameson Raid the autocrat of Africa was pulled down from his pinnacle of power. He resigned the premiership and retired to Rhodesia where, by his presence and example, he stimulated the development of his colony. Then came the Boer War. He was in Kimberly during the siege and, weakened by the privations he had endured, he died in 1902 after a British victory was assured, but before peace had been signed. This was the man who conceived and made possible these Scholarships.

In his will Rhodes established in perpetuity scholarships for all the principal British Colonies, for each of the United States and for Germany. His objectives in creating his Trust were:—

1. A union of the English speaking peoples, and
2. World peace through a closer understanding between three great powers, the United States, Germany and the British Empire.

Originally a Scholarship was worth £300 a year, which at a normal rate of exchange was about $1500.00. Due to the increase in prices in England, scholars will receive until further notice a bonus of £50 a year, making £350 a year, which in actual purchasing power is hardly equal to what the original scholars received.

Two Scholarships are assigned to each state, and the states are divided into three groups, two groups electing scholars each year and one being omitted. Last December Florida selected a scholar who will go into residence at Oxford next October. Florida will choose another scholar next December to go into residence at Oxford in October, 1924, and that is the scholarship in which I would like to stimulate your interest.

A Rhodes Scholarship is tenable only at Oxford and it is good for three years.

The rules of eligibility are simple. A candidate must

1. Be a male citizen of the United States and unmarried.
2. Have passed his nineteenth and not have passed his twenty-fifth birthday by October 1st of the year he goes into residence. (The Florida Rhodes Scholar who will go to Oxford in 1924 must have been born on or after Oct. 1, 1899, and before Oct. 1, 1905).
3. By Oct. 1st, 1924 have completed at least his Sophomore year in some recognized degree-granting university or college in the United States.

A candidate may apply either for the State in which he has his home or for any State in which he may have received at least two years of his college education before applying. A man who has spent two years in the University of Florida may apply for Florida although his home may be in another state.

Originally as many candidates might apply as could pass the examinations known as Responsions. These examinations and the requirement of Greek kept down the number of applicants. With the elimination of Greek and all other examinations a new method of selection known as "Institutional Selection" has been devised to keep the Committees from being swamped with applications. Candidates must be approved by their own colleges before they can apply to the Selection Committees. Methods for making this preliminary selection have been left to each college to devise for itself.

The number of candidates who may represent a college is determined by the size of the student body. For institutions with less than 500 students not more than two candidates are allowed, for institutions with from 500 to 1000 students not more than three candidates, with from 1000 to 2000 students not more than four, and with more than 2000 students not more than five.

President Murphree will decide when the University of Florida shall make its selection in order to make it possible for its representatives to file applications with the Secretary of the State Committee of Selection.

The bases of a selection to a scholarship are:—

1. Qualities of manhood, force of character, and leadership.
2. Literary and scholastic ability and attainments.
3. Physical vigor as shown by interest in outdoor sports or in other ways.

Participation in athletics is an essential qualification, but Committees have been instructed not to regard exceptional athletic distinction as equal in importance with other requirements.

I know that these requirements sound staggering, but as I have said, it is comforting to know that you will compete against men just like yourselves. The ideal Rhodes Scholar should excel in all three of these requirements, but the ideal Rhodes Scholar is hard to find. I saw very few of them at Oxford. The Rhodes Scholars as a group are simply average American college men, who in their colleges stood out among their fellow students, because they tried a little harder. I think that each Rhodes Scholar is just a little disappointed at first with his fellow scholars. They are not so wonderful as he had hoped they would be. There are few geniuses among them. In the American Club at Oxford you will find that they look and talk like a group of congenial souls such as you will find gathered together on any American campus.

The most important question for a newly elected Rhodes Scholar to decide is what college he shall select. The average American student knows very little about Oxford colleges and Christ Church, Magdalen, and Oriel are merely names to him, if that. I was at Christ Church and I would recommend it, but the problem is not as simple as that. You have to send to Secretary of the Rhodes Trust at Oxford your list of colleges in the order of your choice. The Scholars

are scattered among eighteen of the colleges comprising Oxford University and your first choice may have taken its quota. In such a case your name will be passed down the line until some college takes you. Your list should be judiciously arranged so that the college of your second choice will not take offense at your having selected another college first. The only way I know how you can obtain such information is to waylay old Rhodes Scholars, the more recently they have returned from Oxford the better.

Many of you will ask, "Why should we go to Oxford?" I shall tell you that it will not be to get a better education than you can in the United States, for you can get just as good here as you can afford or earn. I heard Prof. Dicey say that Harvard was probably the best Law School in the English-speaking world. Oxford can teach you nothing in medicine that you can not get at Johns Hopkins. Oxford can possibly give you a better course in the Classics, Greek and Latin, than you can get in any American University, but few of us are interested in that. Most men go to Oxford to broaden their vision and to take advantage of the opportunity for foreign travel. A student only spends twenty-four weeks out of the year at Oxford in three terms of eight weeks each sandwiched between two short vacations of six weeks each at Christmas and Easter, and a long summer vacation of over three months. There is plenty of time for traveling. I was at Oxford during the war, but indirectly as the result of my scholarship I am at home in London, Paris, Brussels, Antwerp, and Vienna and it would not be easy to lose me in Rotterdam, Berlin, Prague, Buda-Pest or Warsaw. In peace time a Rhodes Scholar has a wide range. Many wander from Scandinavia to North Coast of Africa. Most of them are well acquainted with Continental Europe. Some have even explored the Balkans and Turkey. A few have climaxed their Oxford experience by returning home around the world via India, Japan, and the Philippines. I have never known a Rhodes Scholar who regretted having taken his Scholarship. Show me one who does and I'll show you a man who missed Oxford, who lost his opportunity, who failed no matter how he stood in the Final Schools. A Rhodes Scholar is thrown into a strange environment together with two men from every other state in the Union. Not only is he placed in close contact with men from every corner of the English speaking

world, but he is given an opportunity of knowing intimately men from every state in his own country, such as is afforded by no American University. His detachment enables him to judge his country and its institutions from a new point of view. Mr. Rhodes wisely provided an age limitation so that his scholars would be still impressionable and yet not too young to be influenced unduly by a foreign environment. Mr. Rhodes never desired to make Englishmen out of his American scholars. What he wanted was Americans who would return to their own country enriched by their Oxford experience and in sympathy with his ideal of World Peace and a deeper understanding among English speaking peoples. He hoped that his ex-scholars would enter public life in their own communities and this hope has not yet been realized to any great extent, but I think that his wish that they should leave Oxford with his ideal of "a better understanding among English speaking peoples" as their own has been more than fulfilled.

How I wish that I might show you Oxford not as it is shown by pictures, a series of colleges, architecturally beautiful, but soul-less, and not as I might show it to you by guiding you through its winding streets, but as I would like to try to show it to you over an Oxford fire after you had spent days pottering through the colleges by yourself with a guide book in hand. Oxford cast a spell over me. There is something in the atmosphere that grips you. You seem to sense its antiquity. You breathe in its learning. But most of all I was impressed by its story, full of human interest and filled with great and familiar names of men who influenced the history of the British Empire. Let me take you down the High, one of the world's most interesting and picturesque streets. We pass on our right Oriel, Cecil Rhodes' college. Next comes University College, asserted to have been founded by Alfred the Great, but never proved. This is the college which expelled Shelley and would not matriculate Rhodes, because he wouldn't read for Honors, and the college of one of my own best friends, De Villiers, a South African Rhodes Scholar, whose French Huguenot ancestors had settled in Africa long before the British ever hoisted a flag over the Cape, a one-eyed man who saw more than most of us do with two, who was British to the core, but not English, and who used to amuse me by saying "These English make me ill, sitting here in their fog-ridden

little island talking about their Empire. It's ours, ours, whose forefathers went out and took it from the savage and the jungle."

On the banks of the Cher, at the end of the High, stands Magdalen, the most beautiful college in Oxford, whose graceful tower no Oxonian will ever forget, the college of Addison, the Essayist, of Gibbon, the historian, of Charles Reade, who wrote the "Cloister and the Hearth", and of the present Prince of Wales. Returning up the High we pass Queen's, named after its founder the Queen Mother of the Black Prince and attended by him, but more interesting still is the fact that even to this day Queen's brews its own ale. In this manner we could wander through them all,—Balliol, which to Balliol men is the center of Oxford intellectuality, in comparison with which the other Oxford colleges are nothing more or less than glorified lodging houses. Balliol is the college of Southey, Sir Edward Grey, and Asquith,—Merton, the college of Sir Randolph Churchill, which educated him so imperfectly that when Chancellor of the Exchequer, which corresponds to our Secretary of the Treasury, he was confronted with some decimals he had to send for a permanent official to tell him "the meaning of those damn dots".—New College, founded in 1379, over a hundred years before Columbus discovered America, and called "new" to distinguish it from other colleges founded a few centuries sooner. This college is famous among Oxonians of today for its beautiful gardens and endowed gate. Every college maintains a porter at its entrance and shortly after Great Tom rings the curfew the gates begin to close. To help defray the cost of porters a charge is made for opening the gate, the amount increasing with the lateness of the hour. This is a grievous burden on the Oxford undergraduate, for he is seldom in his own college when the gate closes, and if he is, generally has visitors from other colleges, and he has to pay to let his guests out. Some philanthropist, who as an undergraduate had probably been not only always late, but also probably always broke, endowed the gate in his will. New College students no longer have to pay for returning to their college late in the evening. The charge is not abolished—oh no, Oxford never abolishes anything—the fee is merely charged to this Patron Saint of New College. The endowment of the gate is probably partly responsible for this college's great popularity with American Rhodes Scholars. The fact that Oxford

never abolishes anything reminds me that upon matriculation an undergraduate receives a large tome, bound in cloth, containing the University Statutes which he is apparently supposed to read. Evidently the University has never repealed a statute, for they commence in medieval Latin and among the first prohibitions is the warning against shooting bows-and-arrows in the quads.

So I might comment on them all for each has its special interest. Pembroke, Dr. Johnson's college; All Souls, Blackstone's college; Trinity, Cardinal Newman's; Corpus Christi and Hertford, interesting to Americans as the respective colleges of General Oglethorpe, who founded the State of Georgia, and of Charles James Fox. Wadham, the college of Sir Christopher Wren, the architect of Tom Tower and St. Paul's Cathedral, London. I haven't time to tell you of the others, for I want to dwell a little more in detail on my own college, Christ Church, founded by Cardinal Wolsey, and known originally as "Cardinal College". It boasts such illustrious names as John Locke, the Philosopher, John Wesley, William Penn, King Edward VII and a host of British Prime Ministers, including Lord Liverpool, Lord Salisbury, Lord Roseberry, Canning, Sir Robert Peel, Gladstone and others. The head of the college is also Dean of Christ Church, England's smallest cathedral. It is this combination of church and college which makes it unique among Oxford Colleges. At its foundation the number of students was limited to 101. The 101 strokes of Great Tom which are heard every evening at nine o'clock were originally ordered as a separate reminder to each one of the students that it was time to go to bed. Five minutes after the last stroke the gates of every college in Oxford, as I have already explained, are closed, though porters are on hand to open them to those who knock—for a consideration.

Christ church is especially proud of Tom Quad. Due to its vastness, Tom Quad has an "air about it" which no other Oxford quad has. All House men, as Christ Church men are called, agree with the Oxonian who said:

> "It seems incredible that the student who has had the right to pace Tom Quad should go away and fail in life. It does not cease to seem incredible when one learns that it has sometimes happened."

No story of Christ Church would be complete without mentioning Lewis Carroll, the astronomical mathematician, who

found a heroine in his Dean's little daughter and who gave to the world the immortal and inimitable "Alice's Adventures in Wonderland".

The war prevented men of my year from knowing the Oxford that Rhodes wanted us to know, but in many ways our opportunities were greater than those of our predecessors, and our experiences abroad during the world crisis, will grow more valuable as they recede into the past.

A great philosopher has said, "In order to do great things, we should live as though we were never to die". Rhodes, whether or not he had ever read this remark, understood its true significance. He did what he did in the brief span of forty-nine years. If he had been given to precepts, he might have phrased his philosophy of life in this manner:—

"In order to do great things, we should plan our lives as though we were never to die, but should work, work, work as though we might have to shuffle off this mortal coil tomorrow".

Let us remember with Rhodes, while we live, that "the greatest happiness in life is to be derived from the conscious pursuit of a great purpose", and let us not forget that even in spite of all that he had accomplished, his last words were, "So much to do—so little done".

2026

F945
F456